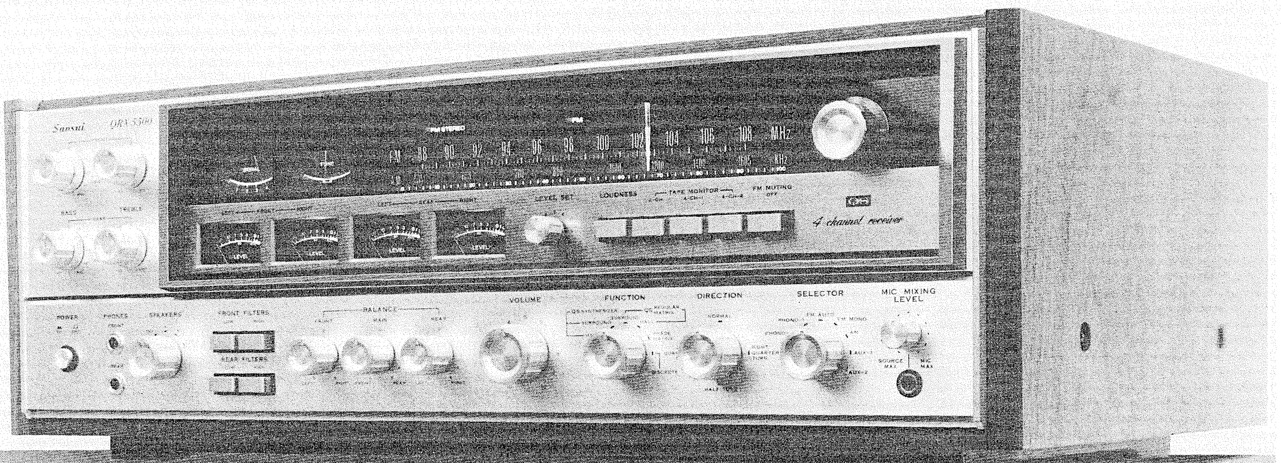
QS
REGULAR MATRIX

SERVICE MANUAL

4-CHANNEL RECEIVER
SANSUI QRX-5500


Sansui
QRX-5500
FM
88
90
92
94
96
98
100
102
104
106
108
MHz
BASS
TREBLE
LEVEL SET
LOUDNESS
TAPE MONITOR
FM MUTING
4 channel receiver
POWER
PHONES
SPEAKERS
FRONT FILTERS
REAR FILTERS
BALANCE
VOLUME
FUNCTION
DIRECTION
SELECTOR
MIC MIXING LEVEL

Sansui
SANSUI ELECTRIC CO., LTD.

This service manual is designed for service engineers to repair, adjust, maintain and order the replacement parts of the QRX-5500 correctly.
When ordering the parts, use the stock number and parts name specifically referring to the Parts Locations & Parts List.
For general usage and maintenance of the unit, please refer to the Operating Instructions attached with the unit.

TABLE OF CONTENTS

Section *Title* *Page*

1. **SPECIFICATIONS** **2**
2. **BLOCK DIAGRAM AND LEVEL DIAGRAM** **3**
   - 2-1. Block Diagram **3, 4**
   - 2-2. Level Diagram **4**
3. **ALIGNMENTS AND ADJUSTMENTS** **5**
   - 3-1. Regulated Power Supply Board Adjustment **5**
   - 3-2. Level Meter Adjustment **5**
   - 3-3. Driver Circuit Board Adjustment **6**
   - 3-4. FM IF Alignment **7**
   - 3-5. FM Dial Calibration and RF Alignment **7, 8**
   - 3-6. FM Signal Meter, Mono Distortion, Tune Meter and Muting Adjustment **8**
   - 3-7. MPX Alignment **9**
   - 3-8. AM IF, Dial Calibration, RF and Signal Meter Alignment **9, 10**
4. **THREADING OF DIAL CORD** **11**
5. **TROUBLESHOOTING CHART** **11**
   - 5-1. Troubleshooting on Power Supply Section **11**
   - 5-2. Troubleshooting on Audio Section **11, 12, 13**
   - 5-3. Troubleshooting on RF Section **13, 14, 15**
6. **PARTS LOCATIONS AND PARTS LIST** **16**
   - 6-1. F-1472A Equalizer Circuit Board **16**
   - 6-2. F-1487 Volume Circuit Board **16**
   - 6-3. F-1479A Tuner Circuit Board **17, 18, 19**
   - 6-4. F-1489 Mixing & Accessory Circuit Board **19, 20**
   - 6-5. F-2048 Vario-Matrix Circuit Board **21, 22**
   - 6-6. F-2047 Vario-Matrix Circuit Board **23, 24**
   - 6-7. F-1485 Meter Circuit Board **24**
   - 6-8. F-1482 Driver Circuit Board **25, 26, 27**
   - 6-9. F-1483 Protector & Power Circuit Board **27, 28**
   - 6-10. F-1490 De-emphasis Circuit Board **28**
   - 6-11. F-1488 Connector Joint Circuit Board **29**
   - 6-12. F-1486 Filter Circuit Board **29**
   - 6-13. F-1484 Tone Control Circuit Board **30**
   - 6-14. Other Parts (Front Side) **31, 32**
   - 6-15. Other Parts (Top Side) **33**
   - 6-16. Other Parts (Bottom Side) **34**
7. **PACKING LIST** **35**
8. **ACCESSORY PARTS LIST** **35**
9. **REPLACEMENT OF MAIN PARTS** **35**
   - 9-1. Dial Lamp **35**
   - 9-2. How to Install the Knob of DIRECTION Switch **35**
10. **SCHEMATIC DIAGRAM OF TUNER SECTION** **36**
11. **SCHEMATIC DIAGRAM OF AUDIO SECTION** **37**
12. **MAINTENANCE** **38**
    - 12-1. Voltage Adjustment **38**

1. SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT (at rated distortion)
MUSIC POWER (IHF)..220W (4Ω 1,000Hz)
160W (8Ω 1,000Hz)
CONTINUOUS POWER (each channel driven)
..................45W/ch. (4Ω 1,000Hz)
30W/ch. (8Ω 1,000Hz)
CONTINUOUS POWER (4-channels driven)
....................25W × 4 (8Ω 1,000Hz)
22W × 4 (8Ω 20 to 20,000Hz)
TOTAL HARMONIC DISTORTION (at rated output)
OVERALL (from 4-channels AUX) ..less than 0.3%
INTERMODULATION DISTORTION (at rated output 70Hz: 7,000Hz=4 : 1 SMPTE method)
OVERALL (from 4-channels AUX) ..less than 0.3%
POWER BANDWIDTH (IHF) ....10 to 30,000Hz
LOAD IMPEDANCE ....4 to 16Ω
DAMPING FACTOR 40 (8Ω)
INPUT SENSITIVITY AND IMPEDANCE (1,000Hz for rated output)
PHONO-1, 2 (2-channel) 2.5mV 50kΩ
Max. input capability
..............more than 250mV at 0.5% distortion
MIC 2.5mV 10kΩ
AUX (2-ch, 4-ch) 100mV 50kΩ
TAPE MONITOR (PIN, 2-ch, 4-ch)..100mV 50kΩ
TAPE MONITOR (DIN, 2-ch) 100mV 50kΩ
RECORDING OUTPUT
TAPE REC (PIN, 2-ch, 4-ch) 100mV
TAPE REC (DIN, 2-ch) 30mV
FREQUENCY RESPONSE (at 1W output)
OVERALL (from 4-channels AUX)
........................30 to 30,000Hz $^{+1.0}_{-1.5}$dB
EQUALIZATION (RIAA CURVE)
........................30 to 15,000Hz ±1.0dB
CROSSTALK (2-channel) ....better than 50dB at 1,000Hz
HUM AND NOISE (IHF)
PHONO-1, 2 (2-channel)..better than 70dB
AUX (4-channels) ....better than 80dB
CONTROLS
BASS ....±12dB at 50Hz
TREBLE ....±12dB at 15,000Hz
LOUDNESS (volume control at −30dB)
....................+8dB at 50Hz
+3dB at 10,000Hz
LOW FILTER ....−10dB at 50Hz (6dB/oct.)
HIGH FILTER ....−10dB at 10,000Hz (6dB/oct.)
4-CHANNEL SYNTHESIZER/DECODER CIRCUIT
....................QS regular matrix system with
QS vario-matrix circuit

TUNER SECTION

<FM>
TUNING RANGE ....88 to 108MHz
SENSITIVITY (IHF) 1.9µV
Max. input capability ..more than 120dB
SIGNAL TO NOISE RATIO (MONO)
......................better than 65dB
CAPTURE RATIO (IHF)....less than 2.0dB
IMAGE REJECTION ......better than 75dB at 98MHz
IF REJECTION ....better than 90dB at 98MHz
SPURIOUS RESPONSE REJECTION
......................better than 80dB at 98MHz
SELECTIVITY ....better than 60dB
TOTAL HARMONIC DISTORTION
MONO ....less than 0.3%
STEREO................less than 0.5%
STEREO SEPARATION ....better than 37dB at 1,000Hz
FREQUENCY RESPONSE ..30 to 15,000Hz $^{+1.0}_{-3.0}$dB
ANTENNA IMPEDANCE ..300Ω balanced,
75Ω unbalanced

<AM>
TUNING RANGE........535 to 1605kHz
SENSITIVITY (bar antenna)
....................50dB/m at 1,000kHz
IMAGE REJECTION ....better than 80dB/m at 1,000kHz
IF REJECTION ....better than 80dB/m at 1,000kHz
SELECTIVITY ....better than 25dB at 1,000kHz

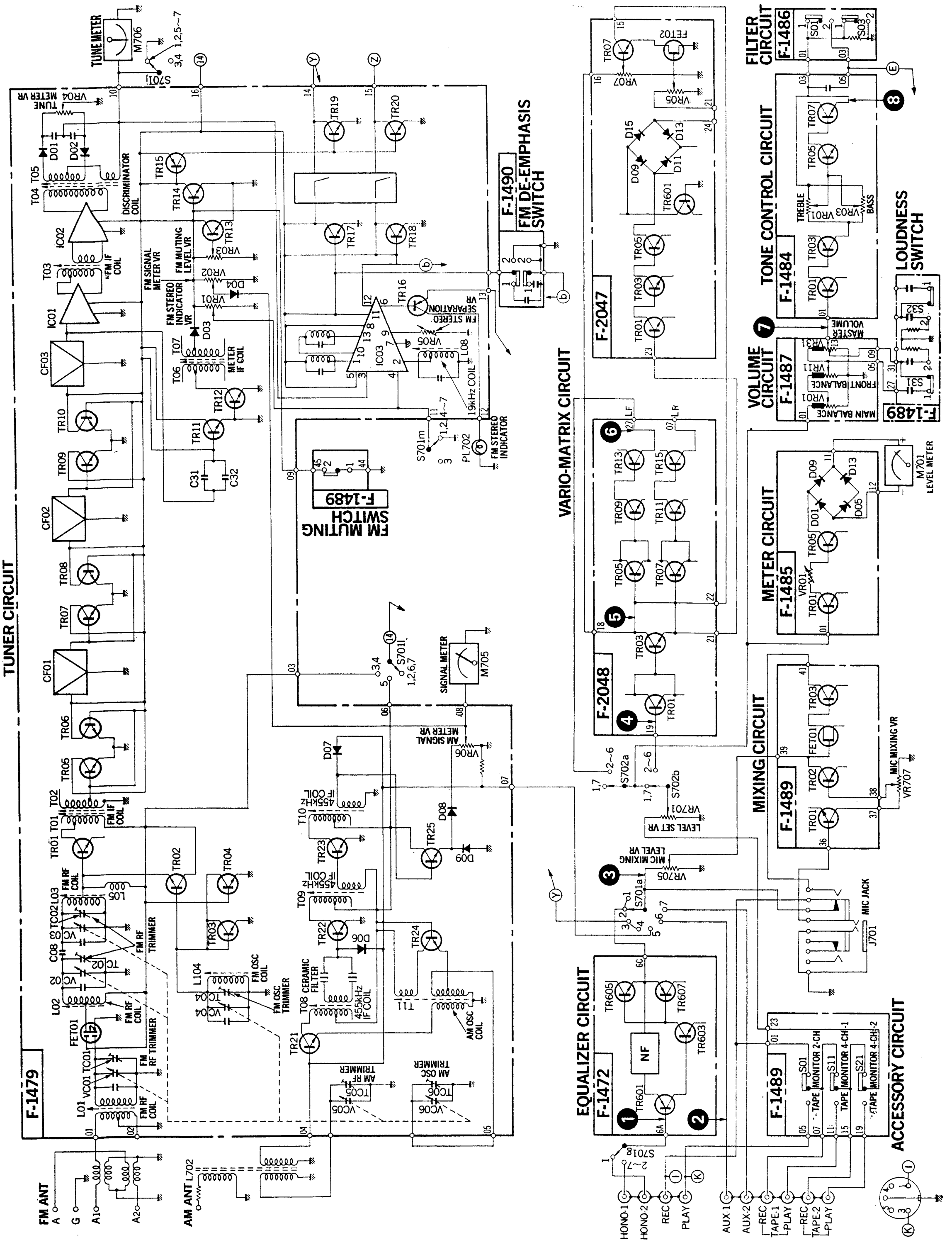
OTHERS

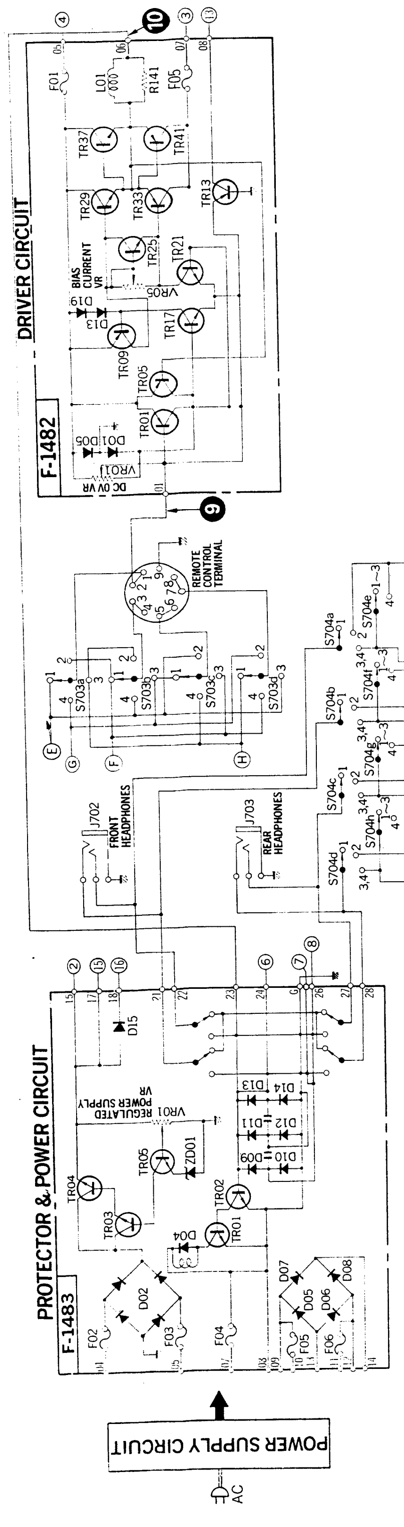
SEMICONDUCTORS
TRANSISTORS 136
FETs 5
DIODES 80
ZENER DIODES 6
ICs 3
POWER REQUIREMENTS
VOLTAGE 100V, 117V, 220V, 240V 50/60Hz
CONSUMPTION ....140W (rated), 400VA (max.)
DIMENSIONS ....203mm (8″)H, 594mm (23⅜″)W,
370mm(14⁹⁄₁₆″)D
WEIGHT ....21.6kg (47.5 lbs) net,
24.8kg (54.6 lbs) shipping

*** Design and specifications subject to change without notice for improvements.**

2. BLOCK DIAGRAM AND LEVEL DIAGRAM

2-1. Block Diagram


TUNER CIRCUIT
F-1479
FM ANT
AM ANT L702
TUNE METER M706
TUNE METER VR VR04
DISCRIMINATOR COIL
FM IF COIL
FM RF COIL
FM RF TRIMMER
FM OSC COIL
FM OSC TRIMMER
CERAMIC FILTER
455kHz IF COIL
AM OSC COIL
AM RF TRIMMER
AM OSC TRIMMER
FM SIGNAL METER VR
FM STEREO INDICATOR VR
FM MUTING LEVEL VR
METER IF COIL
19kHz COIL
FM STEREO SEPARATION VR
FM STEREO INDICATOR PL702
AM SIGNAL METER VR
SIGNAL METER M705
F-1489 FM MUTING SWITCH
F-1490 FM DE-EMPHASIS SWITCH
VARIO-MATRIX CIRCUIT
F-2047
F-2048
LEVEL SET VR VR701
MIC MIXING LEVEL VR VR705
EQUALIZER CIRCUIT
F-1472
NF
PHONO-1
PHONO-2
REC
PLAY
AUX-1
AUX-2
TAPE-1
TAPE-2
ACCESSORY CIRCUIT
F-1489
TAPE MONITOR 2-CH
TAPE MONITOR 4-CH-1
TAPE MONITOR 4-CH-2
MIC JACK J701
MIXING CIRCUIT
MIC MIXING VR VR707
METER CIRCUIT
F-1485
M701 LEVEL METER
VOLUME CIRCUIT
F-1487
MAIN BALANCE
FRONT BALANCE
MASTER VOLUME
LOUDNESS SWITCH
TONE CONTROL CIRCUIT
F-1484
TREBLE
BASS
FILTER CIRCUIT
F-1486


DRIVER CIRCUIT
F-1482
PROTECTOR & POWER CIRCUIT
F-1483
POWER SUPPLY CIRCUIT
AC
REMOTE CONTROL TERMINAL
FRONT HEADPHONES
REAR HEADPHONES
J702
J703
SYSTEM A
SYSTEM B
FRONT
REAR
BIAS CURRENT VR
DC 0V VR
REGULATED POWER SUPPLY VR
VR01
VR05
TR01
TR02
TR03
TR04
TR05
TR09
TR13
TR17
TR21
TR25
TR29
TR33
TR37
TR41
ZD01
D01
D02
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15
D19
F01
F02
F03
F04
F05
F06
L01
R141
S703a
S703b
S703c
S703d
S704a
S704b
S704c
S704d
S704e
S704f
S704g
S704h
⑨
⑩

S01~04: TAPE MONITOR 2-CH
1. OFF
2. ON

S01, 02: LOW FILTER
1. OFF
2. ON

S03, 04: HIGH FILTER
1. OFF
2. ON

S01, 02: FM DE-EMPHASIS
1. 75μs
2. 50μs

S11~14: TAPE MONITOR 4-CH-1
1. OFF
2. ON

S21~24: TAPE MONITOR 4-CH-2
1. OFF
2. ON

S31~34: LOUDNESS
1. OFF
2. ON

S41 : FM MUTING
1. OFF
2. ON

S701a~o : SELECTOR
1. PHONO-2
2. PHONO-1
3. FM AUTO
4. FM MONO
5. AM
6. 4-CH AUX-1
7. 4-CH AUX-2

S702a~t : FUNCTION
1. 2-CH
2. QS SYNTHESIZER HALL
3. QS SYNTHESIZER SURROUND
4. QS REGULAR MATRIX HALL
5. QS REGULAR MATRIX SURROUND
6. PHASE MATRIX
7. DISCRETE

S703a~d : DIRECTION
1. NORMAL
2. RIGHT QUARTER TURN
3. HALF TURN
4. LEFT QUARTER TURN

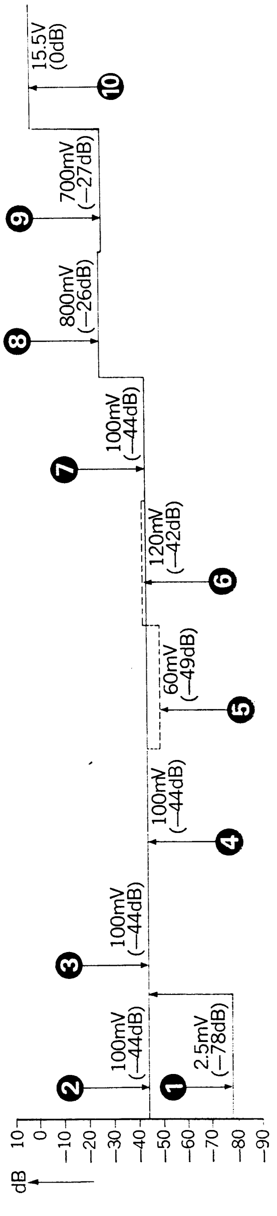
S704a~h : SPEAKER
1. OFF
2. A
3. B
4. A+B

2-2. Level Diagram

*Each number (①, ②, ③....) indicated in Level Diagram undermentioned corresponds to the number in Block Diagram.

1. MASTER VOLUME, LEVEL SET volume control
   ....Maximum
2. BASS, TREBLE, BALANCE Volume control
   ....Center
3. Input ....PHONO-1 2.5mV 1kHz Sine Wave
   AUX-1 100mV 1kHz Sine Wave
   (output impedance of 600Ω at an audio signal oscillator)
4. Output 15.5V (30W) 8Ω

Note: Each voltage value is for reference and measurred by a VTVM. In some recorders, the actual voltage value is in minor difference from the reference value.



3. ALIGNMENTS AND ADJUSTMENTS

Abbreviation

Equipment

AM FM Generator Oscilloscope	Genescope
AM Standard Signal Generator	AM SSG
FM Standard Signal Generator	FM SSG
FM Stereo Generator	Stereo SG
Oscilloscope	Scope
Audio Oscillator	Audio Osci.
Distortion Meter	Dist. Meter

Others

Clockwise	CW.
Counterclockwise	CCW.
Antenna	ANT.
Modulation	MOD.

3-1. Regulated Power Supply Board Adjustment (See Fig. 3-1)

Note: 1. Function..........................QS Synthesizer
2. Master Volume....................Minimum
3. Confirm the AC Power Supply voltage.

STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	Regulated Power Supply	DC volt meter	F-1483 terminal $\boxed{18}$	F-1483 VR01	25±0.1V	

3-2. Level Meter Adjustment (See Fig. 3-2)

Note: 1. Function ....Discrete
2. Selector............................AUX-1
3. Master Volume ....Minimum
4. Level Set Volume ....Maximum
5. For adjustment, run the unit for more than 2 minutes after the power is switched on.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1	Level Meter	1kHz Output : 100mV Audio Osci.	FRONT, REAR AUX-1 L, R-ch	Level Meter	F-1485 VR01 (front L-ch) VR02 (front R-ch) VR03 (rear L-ch) VR04 (rear R-ch)	0 level	o Feed signal to 4-CH (both FRONT and REAR)

Fig. 3-1

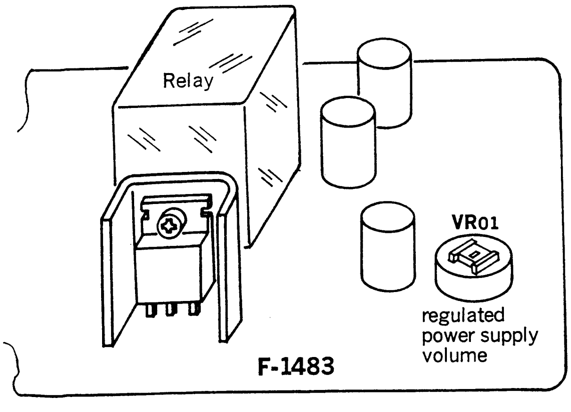
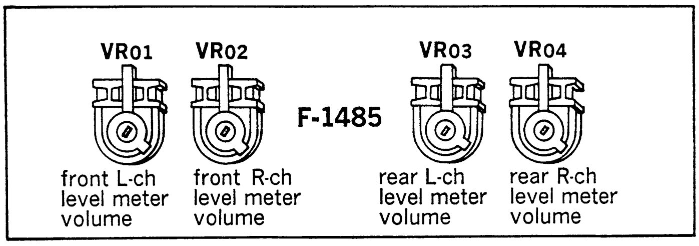

Relay
VR01
regulated power supply volume
F-1483

Fig. 3-2


VR01
VR02
VR03
VR04
F-1485
front L-ch level meter volume
front R-ch level meter volume
rear L-ch level meter volume
rear R-ch level meter volume

3-3. Driver Circuit Board Adjustment (See Figs. 3-3 and 3-4)

Note:
1. Master Volume..................Minimum
2. Make the SP terminals free (no load).
3. Confirm the AC Power Supply voltage.
4. After adjustment, run the unit for more than 5 minutes, then check and readjust necessary.
5. Room temperature should be 18~28° (65~83°F) for bias current adjustment.

STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	DC 0V Front L	DC volt meter	Speaker terminal Front L-ch Fig. 3-4	F-1482 VR01	0V	o Step down meter's range accordingly
2	DC 0V Front R	Same as above	Speaker terminal Front R-ch Fig. 3-4	F-1482 VR02	Same as above	Same as above
3	DC 0V Rear L	Same as above	Speaker terminal Rear L-ch Fig. 3-4	F-1482 VR03	Same as above	Same as above
4	DC 0V Rear R	Same as above	Speaker terminal Rear R-ch Fig. 3-4	F-1482 VR04	Same as above	Same as above
5	Bias current Front L	DC milliammeter	F-1482 F01 Fig. 3-3	F-1482 VR05	25±1mA	o Step down meter's range accordingly
6	Bias current Front R	Same as above	F-1482 F02 Fig. 3-3	F-1482 VR06	Same as above	Same as above
7	Bias current Rear L	Same as above	F-1482 F03 Fig. 3-3	F-1482 VR07	Same as above	Same as above
8	Bias current Rear R	Same as above	F-1482 F04 Fig. 3-3	F-1482 VR08	Same as above	Same as above

Fig. 3-3

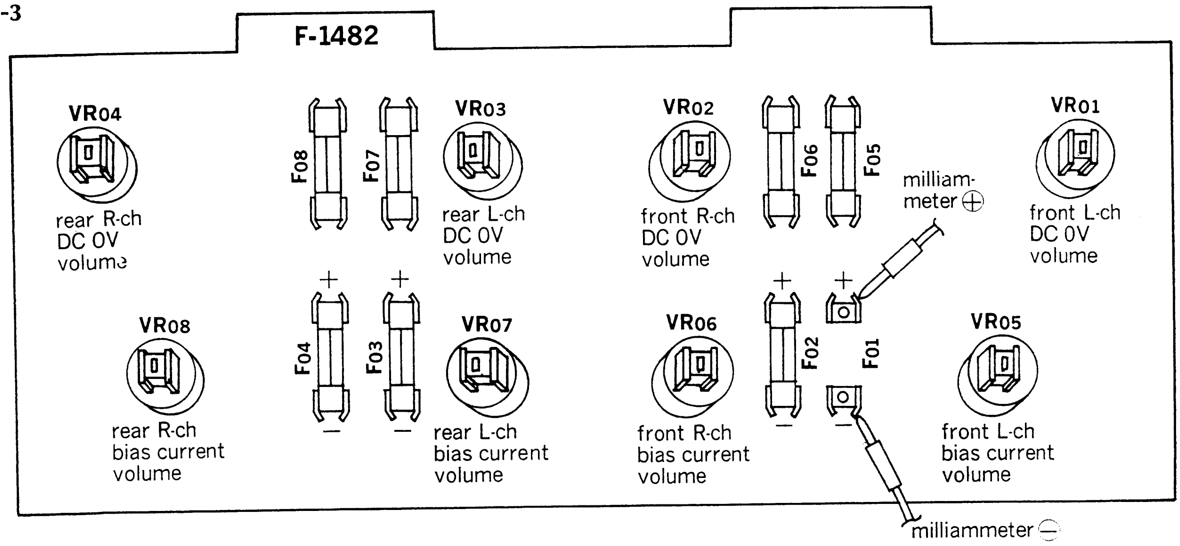
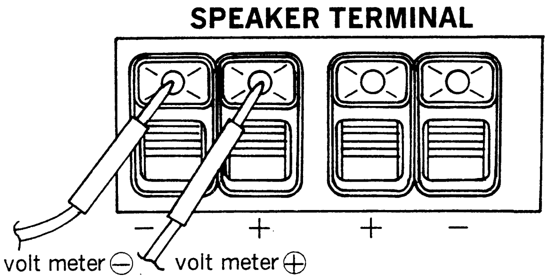
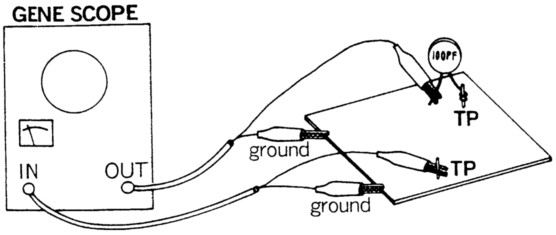

F-1482
VR04
rear R-ch
DC 0V
volume
F08
F07
VR03
rear L-ch
DC 0V
volume
VR02
front R-ch
DC 0V
volume
F06
F05
milliam-meter ⊕
VR01
front L-ch
DC 0V
volume
VR08
rear R-ch
bias current
volume
+
+
F04
F03
−
−
VR07
rear L-ch
bias current
volume
VR06
front R-ch
bias current
volume
+
+
F02
F01
−
−
VR05
front L-ch
bias current
volume
milliammeter ⊖

Fig. 3-4

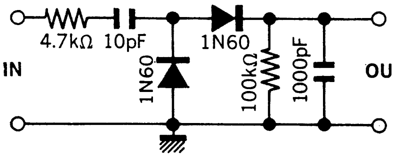

SPEAKER TERMINAL
−
+
+
−
volt meter ⊖
volt meter ⊕

3-4. FM IF Alignment (See Fig. 3-10 on page 10)

Note:
1. Selector........................FM AUTO
2. Master Volume ....Minimum
3. Output lever of genescope ......After attenuator
4. Sweepwidth...................1.5~2cm/150kHz
5. Frequency band ....9.5~11.5MHz
6. Connection ....Connect the output of genescope to TP.A through 100p ceramic capacitor.
7. Before adjustment, turn both VR01 and VR02 CCW (Max.), VR03 CW (Max.) and VR04 to center.



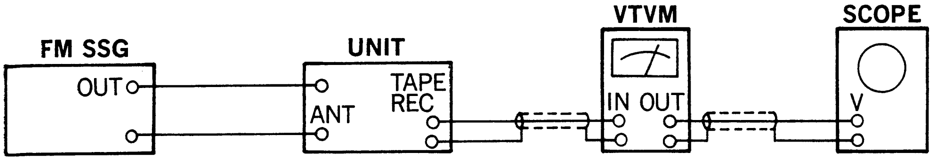
DETECTOR PROBE BLOCK

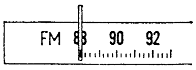
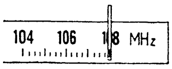


STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1	IF coil	Output 55dB Genescope	Base of TR01 on F-1479 (Fig. 3-10 TP.A)	Connected Point between R48 & R50 on F-1479 (Fig. 3-10 TP.B) Use Detector Probe	T01, T02	Max. IF wave-form 1 as Fig. 3-9	○Turn core of T06 CCW.
2	Meter coil	Same as above	Same as above	Connected point between R62 & VR02 on F-1479 (Fig. 3-10 TP.D) Direct from Genescope	T06, T07	Max. IF wave-from 2 Set the center of wavefrom 2 with wavefrom 1 as Fig. 3-9	
3	Descrimina-tor coil	Same as above	Same as above	Connected point between R67 & R68 on F-1479 (Fig. 3-10 TP.C) Direct from Genescope	T04 T05	Max. linearity of S curve Set the center of S curve wavefrom 1 & 2 as Fig. 3-9	
4	IF coil	Same as above		Same as above	T03	Max. noise	

3-5. FM Dial Calibration and RF Alignment (See Fig. 3-10 on page 10)

Note:
1. Selector............................FM AUTO
2. Master Volume ....Minimum
3. FM Muting switch ....OFF (pushed in)
4. Confirm start point of dial pointer before alignment.
5. In Step 3, 4 and 5, 1 and 2 are readjusted, repeat 3, 4 and 5 again.

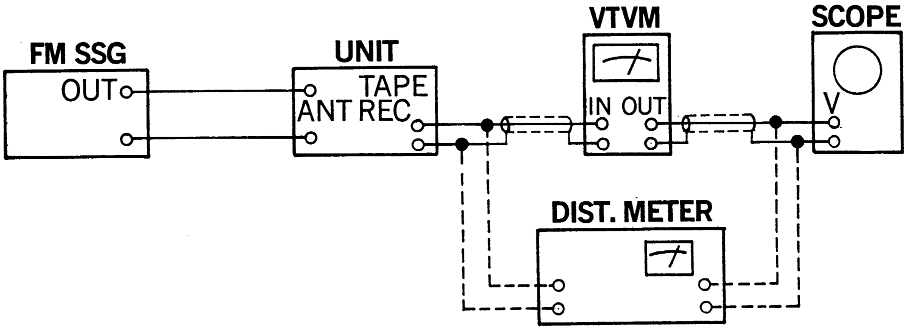


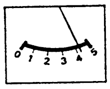
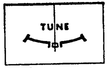
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1	88MHz Dial Calibration	88MHz ANT input 60dB 1kHz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT L or R-ch VTVM & Scope	L04	Max. output	○Set Dial on 88MHz 
2	108MHz Dial Calibration	108MHz ANT input 60dB 1kHz (100% MOD) FM SSG	Same as above	Same as above	Trimmer Cap. TC04	Same as above	○Set Dial on 108MHz 

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
3	Confirm 88MHz Dial Calibration	Same as Step 1	Same as above	Same as above		Confirm 88MHz Dial Calibration	o IF not, repeat from Step 1
4	Confirm 98MHz Dial Calibration	98MHz ANT input 60dB 1kHz (100% MOD) FM SSG	Same as above	Same as above		Confirm 98MHz Dial Calibration	
5	Confirm 108MHz Dial Calibration	Same as Step 2	Same as above	Same as above		Confirm 108MHz Dial Calibration	o If not, repeat from Step 2
6	88MHz RF Adj.	88MHz ANT input 10dB 1kHz (100% MOD) FM SSG	Same as above	Same as above	L01, L02, L03	Max. output	o Tune FM SSG (Max. indication of Signal Meter)
7	108MHz RF Adj.	108MHz ANT input 10dB 1kHz (100% MOD) FM SSG	Same as above	Same as above	Trimmer Cap. TC01, TC02, TC03	Same as above	Same as above

3-6. FM Signal Meter, Mono Distortion, Tune Meter and Muting Adjustment (See Fig. 3-10 on page 10)

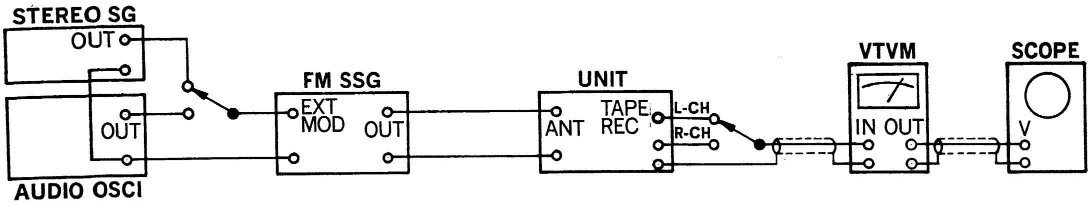
Note: 1. Selector..........................FM AUTO
2. Master Volume ....Minimum



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1	Signal Meter	98MHz ANT input 66dB 1kHz (100% MOD) FM SSG	ANT terminal 300Ω	Signal Meter	VR02	4.3 on meter 	o Tune FM SSG (Max. indication of Signal Meter) o Before adjustment, if meter swings out or not enough, preadjust VR02 until the reasonable point
2	Distortion	Same as above	Same as above	REC OUT L or R-ch Dist. meter & Scope	T05	Min. distortion	o Set VR04 to center o Tune FM SSG (Max. indication of Signal Meter)
3	Tune Meter			Tune Meter	VR04	Center on Tune meter 	o Tune interstation noise
4	Muting Level	98MHz ANT input 25dB 1kHz (100% MOD) FM SSG	Same as above	REC OUT L or R-ch VTVM & Scope	VR03	Audio signal just muted	o Set FM MUTING switch to OFF (pushed in) o Tune the Tune Meter to center and set the muting switch to ON (pushed out)

3-7. MPX Alignment (See Fig. 3-10 on page 10)

Note: 1. Selector ....FM AUTO
2. Master Volume....................Minimum
3. FM MUTING switch ....OFF (pushed in)
4. Before adjustment, turn VR01 CW (Max.) and VR05 to center.

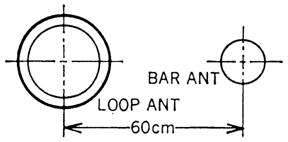

STEREO SG
OUT
OUT
AUDIO OSCI
FM SSG
EXT MOD
OUT
UNIT
ANT
TAPE REC
L-CH
R-CH
VTVM
IN OUT
SCOPE
V

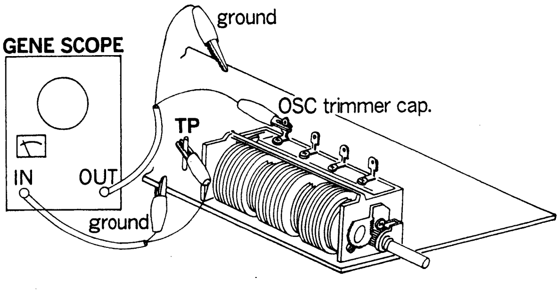
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1	19kHz coil	98MHz ANT input 60dB FM SSG Pilot 19kHz (10% MOD) L-ch 1kHz (45% MOD) R-ch (0% MOD) Stereo SG	ANT terminnal 300Ω	REC OUT L-ch VTVM & Scope	L08	Max. output	o Tune FM SSG (Center indication of Tune Meter)
2	Separation	Same as above	Same as above	REC OUT R-ch VTVM & Scope	VR05	Min. output	
3	Cofirm Separation	98MHz ANT input 60dB FM SSG Pilot 19kHz (10% MOD) L-ch (0% MOD) R-ch 1kHz (45% MOD) Stereo SG	Same as above	REC OUT L-ch VTVM & Scope		Min. output	o If less the 37dB adjust VR05
4	Indicator (Lighting level)	98MHz ANT input 31dB FM SSG Pilot 19kHz (10% MOD) Stereo SG	Same as above	Stereo indicator lamp	VR01	Lighting Point	o Tune FM SSG (Center indication of Tune Meter)

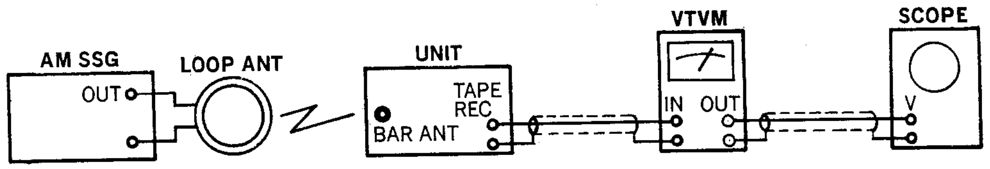
3-8. AM IF, Dial Calibration, RF and Signal Meter Alignment (See Figs. 3-6, 3-7, 3-8 and 3-10 on page 10)

Note: 1. Selector..........................AM
2. Master Volume ....Minimum
3. Confirm start point of dial pointer before alignment.
4. In case of using loop antenna, increase output of AM SSG for 26dB than bar antenna's direct input as it attenuates input sensitivity for 26dB. (See Fig. 3-5)
5. After adjustment of signal meter, confirm the meter's swing on FM. (If meter swang out or not enough, readjust VR02.) (See Page 3-8)

Fig. 3-5


BAR ANT
LOOP ANT
60cm


ground
GENE SCOPE
OSC trimmer cap.
TP
IN
OUT
ground


AM SSG
OUT
LOOP ANT
UNIT
TAPE
REC
BAR ANT
VTVM
IN
OUT
SCOPE
V

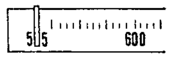
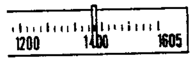
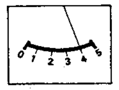
STEP	SUBJECT	FEED SIGNAL FROM	FEED SIGNAL TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	IF coil	Output 70dB Genescope	OSC trimmer cap. (TC06) Fig. 3-10	Connected Point between R130 & R136 on F-1479 (Fig. 3-10 TP.E)	T08	Max. IF waveform 1 Fig. 3-6	o Turn core T09 & T10 CCW.
2	IF coil	Output 55dB Genescope	Same as above		T09	Max. IF waveform 2 Fig. 3-7	
3	IF coil	Output 45dB Genescope	Same as above		T10	Max. IF waveform 3 Fig. 3-8	o If not, readjust T08 & T09 slightly
4	535kHz Dial calibration	535kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Bar ANT	REC OUT L or R-ch VTVM & Scope	T11	Max. output	o If broadcasting station is near, it might be used 
5	1400kHz Dial Calibration	1400kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	Trimmer Cap. TC06	Same as above	Same as above  1200 1400 1605
6	Confirm 600Hz Dial Calibration	600kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above		Confirm 600kHz Dial Calibration	o If not, repeat from Step 4
7	Confirm 1000Hz Dial Calibration	1000kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above		Confirm 1000kHz Dial Calibration	
8	Confirm 1400kHz Dial Calibration	Same as Step 5	Same as above	Same as above		Confirm 1400kHz Dial Calibration	o If not, repeat from Step 5
9	600kHz RF Adj.	600Hkz ANT input 50dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	Bar ANT L702	Max. output	
10	1400kHz RF Adj.	1400kHz ANT input 50dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	Trimmer Cap. TC05	Same as above	
11	Signal Meter	1000kHz ANT input 100dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	F-1479 VR06	4 on meter 	o Tune AM SSG (Max. indication of signal meter) o Before adjustment, if meter swang out or not enough, preadjust VR06 until the reasonable point

Fig. 3-6

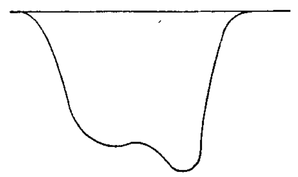


Fig. 3-7

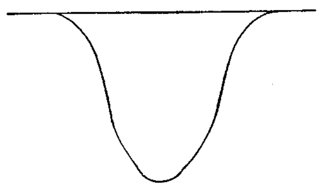


Fig. 3-8

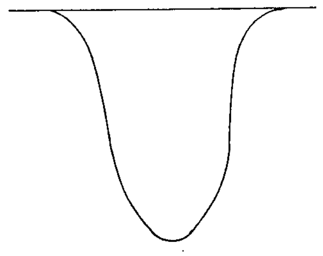


Fig. 3-9

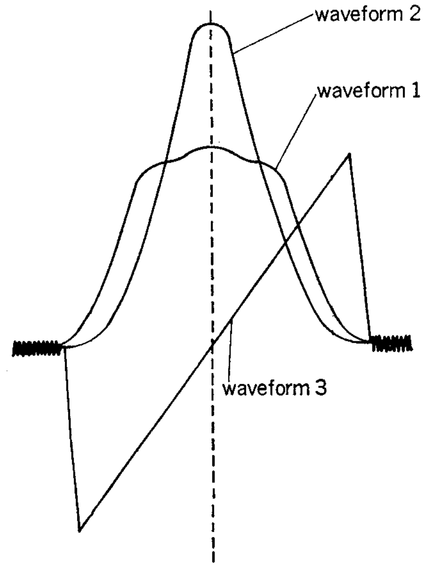
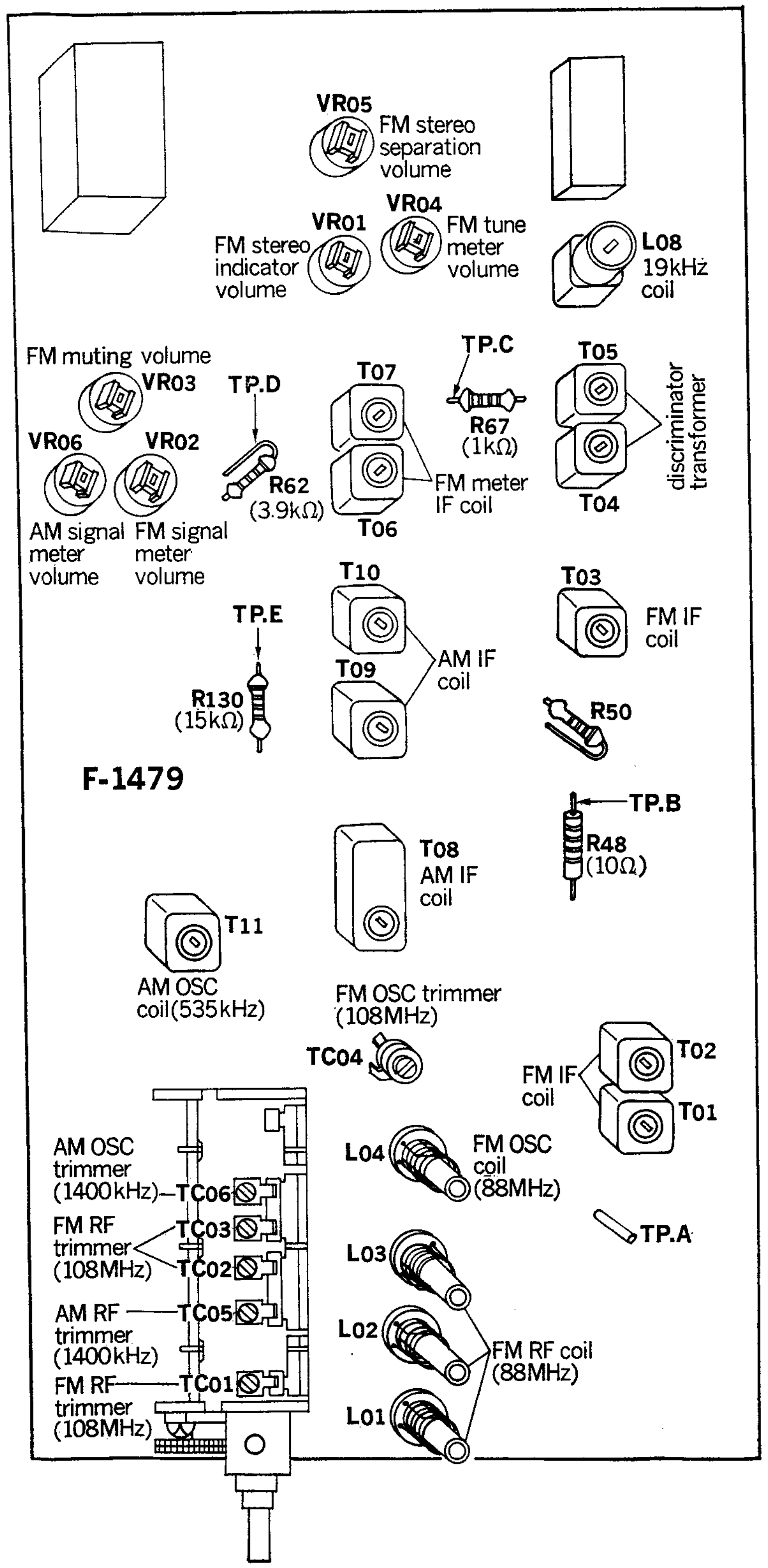


Fig. 3-10

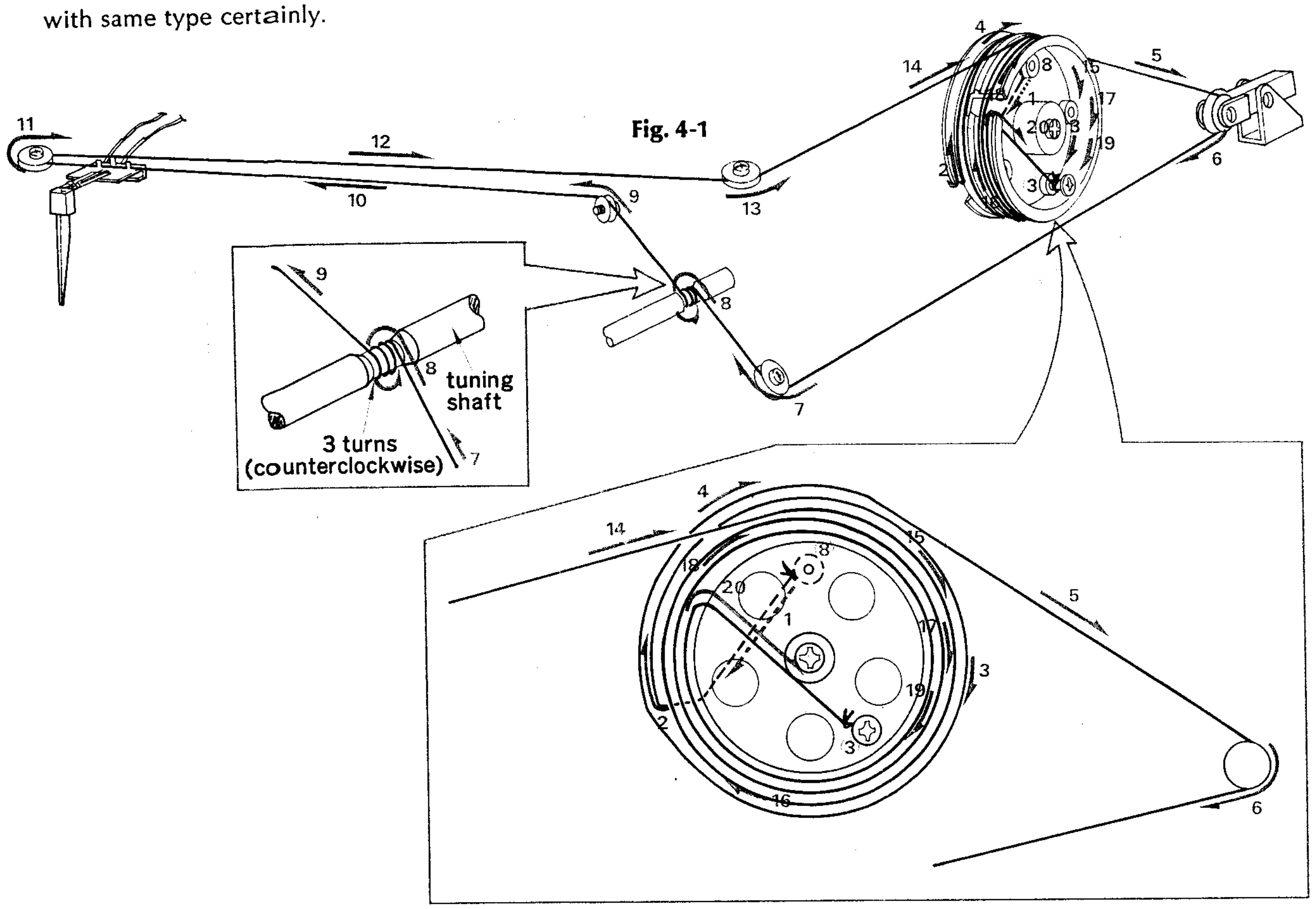

VR05
FM stereo separation volume
VR01
FM stereo indicator volume
VR04
FM tune meter volume
L08
19kHz coil
FM muting volume
VR03
TP.D
T07
TP.C
R67 (1kΩ)
T05
discriminator transformer
VR06
VR02
R62 (3.9kΩ)
FM meter IF coil
T04
AM signal meter volume
FM signal meter volume
T06
T10
T03
TP.E
FM IF coil
R130 (15kΩ)
T09
AM IF coil
R50
F-1479
TP.B
R48 (10Ω)
T08
AM IF coil
T11
AM OSC coil(535kHz)
FM OSC trimmer (108MHz)
TC04
T02
FM IF coil
T01
AM OSC trimmer (1400kHz)
TC06
L04
FM OSC coil (88MHz)
FM RF trimmer (108MHz)
TC03
TC02
TP.A
L03
AM RF trimmer (1400kHz)
TC05
L02
FM RF coil (88MHz)
FM RF trimmer (108MHz)
TC01
L01

4. THREADING OF DIAL CORD

* If dial cord is or slips, replace cord by following procedures. As QRX-5500 is using 0.6mmφ cord, please it with same type certainly.

* Length of dial cord........approx. 210cm (82.7 inch)

Fig. 4-1



1. How to Thread Dial Cord

* Thread dial cord in numerical order from 1 to 20 as shown in Fig. 4-1.

1) Close the variable capaitor completely (Maximum capacitance).
2) Tie cord to number ⑧ screw of the dial pulley and thread cord in direction of arrow from 1 to 7 toward tuning shaft 8.
3) After 8, wind cord three turns arround the tuning shaft counterclockwise and thread it in direction of arrow from 9 to 19.
4) After 20, tie cord to number ③ screw of the pulley.

* In order to proceed with the above procedure 4) successfully, please follow the instruction undermentioned.

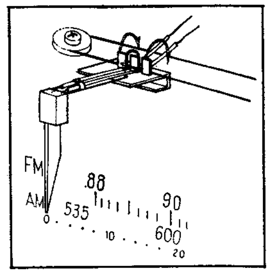
(1) To strengthen the dial cord's tension, hold arround the end of cord and pull it toward the Front Panel.
(2) Then, turn the tuning shaft counterclockwise, as cord's tension will be more constantly obtained.
(3) Tie the cord to number ③ screw of the pulley (same as procedure 4).

5) After these procedures, lock the knots of cord with paint.

2. Attachment of Dial Pointer

1) Close the variable capacitor completely (Maximum capacitance).
2) Set the dial pointer to "0" on dial scale and tighten the dial pointer ass'y. (See Fig. 4-2)

Fig. 4-2



* Make sure that the dial mechanism operates smoothly by turning the Tuning knob.

Stock No.	Description
6036050	Dial Cord 0.6mmφ

5. TROUBLESHOOTING CHART

5-1. Troubleshooting on Power Supply Section

1. No power supplied to each section

Symptom	Check Point	Cause & What to Do
1-1. Each lamp not lighted		1. Imperfect contact of power supply plug
		2. Power fuse open
		3. Defective power switch S705
		4. F01 on F-1483 open
		5. Defective power transformer PT001
1-2. Each lamp lighted		
	1) +31V not supplied to terminal $\boxed{05}$ on F-1482	6. Defective D07, D08 on F-1483
	2) −31V not supplied to terminal $\boxed{07}$ on F-1482	7. Defective D05, D06 on F-1483
	3) +42V not supplied to terminal $\boxed{6F}$ on F-1472	8. F02, F03 on F-1483 open
		9. Defective D02 on F-1483
		10. Defective TR03, TR04 on F-1483
	4) +25V not supplied to terminal $\boxed{25}$ on F-2047	11. Defective TR05 on F-1483
		12. Imperfect contact of VR01 on F-1483
		13. Defective D15 on F-1483

5-2. Troubleshooting on Audio Section

1. Quick acting fuse open

1-1. After replacement, fuse not open	1. Set the bias current to 25mA
1-2. After replacement, fuse open again	2. Defective TR37, TR41 (TR38, TR42) on F-1482
	3. Defective TR29, TR33 (TR30, TR34) on F-1482
	4. Defctive TR25 (TR26) on F-1482

2. 2-CH of FUNCTION inoperative

2-1. Both channels inoperative	5. Defective power supply section (See 5-1)
2-2. One channel inoperative	6. Imperfect contact of TAPE MONITOR switch S01 (S02) on F-1489
	7. Defective TR01, TR03, TR05, TR07 (TR02, TR04, TR06, TR08) on F-1484
	8. Imperfect contact of Low Filter switch S01 (S02) on F-1486
	9. Imperfect contact of High Filter switch S03 (S04) on F-1486
	10. Imperfect contact of Direction switch S703a~d
	11. Defective F-1482 printed board

3. PHONO inoperative

Symptom	Check Point	Cause & What to Do
3-1. Both channels inoperative		12. Defective power supply section (See 5-1)
3-2. One channel inoperative		
1. Reverse the output cords of L and R-ch from turntable		
1-1. Inoperative channel reverses		13. Imperfect contact of turntable output cord
		14. Defective turntable
1-2. Inoperative channel not reverses		15. Defective TR601, TR603, TR605, TR607 (TR602, TR604, TR606, TR608) on F-1472
		16. Imperfect contact of SELECTOR switch S701a (S701b)

4. MIC inoperative

4-1. Both channels inoperative	
1. +42V not supplied to terminal $\boxed{43}$ on F-1489	17. Defective power supply section (F-1483)
2. +42V supplied to terminal $\boxed{43}$ on F-1489	18. Defective TR01, TR02 on F-1489
	19. Defective VR707
4-2. One channel inoperative	20. Defective FET01 (FET02) on F-1489
	21. Defective TR03 (TR04) on F-1489
	22. Imperfect contact of Microphone Jack (J701)
	23. Defective VR705 (VR706)

5. Level Meter inoperative

5-1. 4-channels inoperative	24. Defective power supply section (See 5-1)
	25. Defective F-2048, F-2047
5-2. Two channels inoperative	
1) Front two channels inoperative	26. Defective TR01, TR05 (TR02, TR06) on F-1485
	27. Defective D01, D05, D09, D13, (D02, D06, D10, D14) on F-1485
	28. Defective VR01 (VR02) on F-1485
	29. Defective Meter
2) Rear two channels inoperative	30. Defective TR03, TR07 (TR04, TR08) on F-1485
	31. Defective D03, D07, D11, D15 (D04, D08, D12, D16) on F-1485
	32. Defective Meter
	33. Defective F-2048, F-2047

6. QS SYNTHESIZER or QS REGULAR MATRIX of FUNCTION Switch inoperative

Symptom **Check Point** **Cause & What to Do**

*QS Regular Matrix circuit consists of both F-2047 and F-2048 printed boards.
(2-CH of FUNCTION switch operative)

6-1. Both Front and Rear inoperative —— 34. Defective power supply section (See 5-1)

6-2. One Front and Rear inoperative —— 35. Defective TR01, TR04 (TR02, TR05) on F-2048
- 36. Defective TR01, TR03, TR05 (TR02, TR04, TR06) on F-2047
- 37. Defective D09, D11, D13, D15 (D10, D12, D14, D16) on F-2047
- 38. Defective FET01 (FET02) on F-2047
- 39. Defective TR07 (TR08, TR09) on F-2047
- 40. Defective TR05, TR09, TR13 (TR06, TR10, TR14) on F-2048
- 41. Defective TR07, TR11, TR15 (TR08, TR12, TR16) on F-2048
- 42. Defective FUNCTION switch S702a~f

5-3. Troubleshooting on RF Section

1. Both FM and AM inoperative (PHONO operative)

1-1. Both channels inoperative
1) +13V not supplied to terminal $\boxed{03}$, $\boxed{06}$, $\boxed{16}$ on F-1479 —— 1. Defective power supply section (F-1483)
2) +13V not supplied to terminal $\boxed{03}$, $\boxed{06}$, on F-1479 —— 2. Imperfect contact of SELECTOR switch S701f

1-2. One channel inoperative
1) AM section inoperative —— 3. Defective SELECTOR switch S701a (701b)
2) FM section inoperative —— 4. Defective SELECTOR switch S701a (701b)
- 5. Defective TR17 (TR18) on F-1479
- 6. Defective Low Pass Filter L.P. F01

2. FM Section

*Before check, set MUTING switch to OFF (Pushed in)

2-1. FM inoperative only

1. Tune FM signal or FM broadcasting station

Symptom	Check Point	Cause & What to Do
1-1. Signal meter inoperative		7. Defective IC01, IC02 on F-1479
		8. Defective T01~T05 on F-1479
		9. Defective D01, D02 on F-1479
		10. Defective IC03 on F-1479
1-2. Signal meter operative (Interstation noise too low compared with proper unit)		11. Defective CF01~CF03 on F-1479
		12. Defective FET01, TR01, TR02 on F-1479
		13. Defective TR05~TR10 on F-1479
		14. Defective L01~L03 on F-1479
		15. Defective T01~T05 on F-1479
2-2. Signal meter inoperative (FM broadcasting sound can be heard)		16. IF, RF out of adjustment on F-1479
		17. Defective TR11, TR12 on F-1479
		18. Defective T06, T07 on F-1479
		19. Defective D03, D04 on F-1479
		20. Defective VR02 on F-1479
		21. Defective signal meter
2-3. Tune meter inoperative (FM broadcasting sound can be heard)		22. T04, T05, out of adjustment on F-1479
		23. IF out of adjustment on F-1479
		24. Discriminator coil out of adjustment on F-1479
		25. Defective Tune meter
2-4. Muting circuit inoperative (Signal meter operative)		26. Defective TR13~TR15 on F-1479
		27. Defective TR19, TR20 on F-1479
		28. Defective D05 on F-1479
		29. Defective VR03 on F-1479
		30. Imperfect contact of MUTING switch S41

Symptom	Check Point	Cause & What to Do
2-5. No channel separation on FM stereo broadcasting *Confirm that SELECTOR switch is set to FM AUTO. *Confirm signal meter operates		
1. Indicator lamp not lighted		31. Defective the indicator lamp PL726
		32. Defective TR16 on F-1479
		33. Defective L08 on F-1479
		34. Defective IC03 on F-1479
		35. Defective VR01 for indicator lamp on F-1479
		36. Defective VR05 for FM stereo separation on F-1479
		37. Defective F-1483
2. Indicator lamp lighted		38. Defective TR16 on F-1479

3. AM Section

3-1. AM inoperative

1. Interstation noise changes by touching the terminal $\boxed{04}$ on F-1479

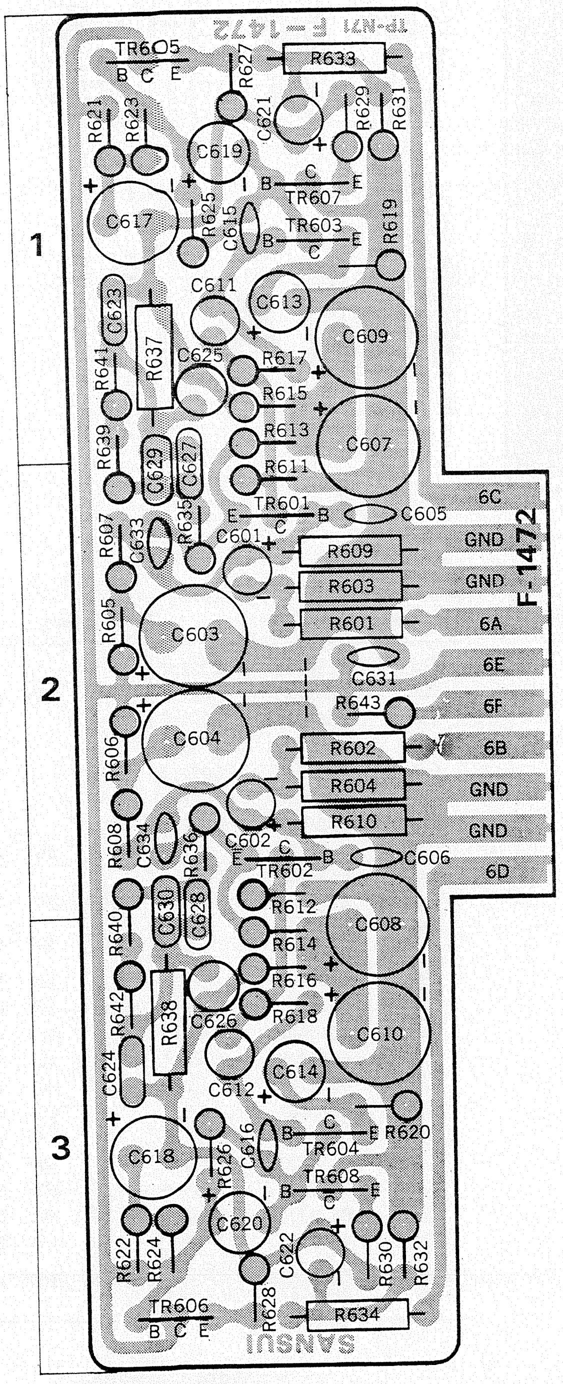
1-1. Increase		39. Defective bar antenna
		40. Defective TR24 on F-1479
		41. Defective T11 on F-1479
		42. Variable capacitor shorted
1-2. No change		43. Defective D07 on F-1479
		44. Defective TR21~TR23 on F-1479
		45. Defective T08~T10 on F-1479
3-2. Distortion		46. Defective D06, D07 on F-1479
		47. IF out of adjustment on F-1479
3-3. Signal meter inoperative (AM broadcasting sound can be heard)		48. IF, RF out of adjustment on F-1479
		49. Defective TR25 on F-1479
		50. Defective D08, D09 on F-1479
		51. Imperfect contact of VR06 on F-1479
		52. Defective signal meter

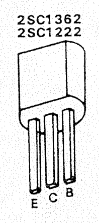
6. PARTS LOCATIONS AND PARTS LIST

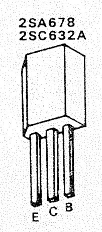
6-1. F-1472A Equalizer Circuit Board

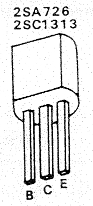
(Stock No. 7550510 Complete Circuit Board F-1472A)

Conductor Side









Parts List

Parts No.	Stock No.	Description				Position
TR601	0300410, 1	2SA726Ⓡ (F, G)			Transistor	2
TR602	0300410, 1	2SA726Ⓡ (F, G)				2
TR603	0305766, 7 or 0306011, 2 or 0306071, 2	2SA632AⓌ (71, 81) or 2SC1222 (F, E) or 2SC1313Ⓡ (G, H)				1
TR604	0305766, 7 or 0306011, 2 or 0306071, 2	2SA632AⓌ (71, 81) or 2SC1222 (F, G) or 2SC1313Ⓡ (G, H)				3
TR605	0306141, 2	2SC1362 (71, 81)				1
TR606	0306141, 2	2SC1362 (71, 81)				3
TR607	0300292, 3	2SA678 (7, 8)				1
TR608	0300292, 3	2SA678 (7, 8)				3
C601	0573229	2.2μF		25V	T.C.	2
C602	0573229	2.2μF				2
C603	0515330	33μF		50V	E.C.	2
C604	0515330	33μF				2
C605	0660330	33pF		50V	C.C.	2
C606	0660330	33pF				2
C607	0513470	47μF		25V	E.C.	1, 2
C608	0513470	47μF				2, 3
C609	0513470	47μF				1
C610	0513470	47μF				3
C611	0620681	680pF	± 5 %	50V	P.C.	1
C612	0620681	680pF				3
C613	0511330	33μF		10V	E.C.	1
C614	0511330	33μF				3
C615	0660220	22pF	±10%	50V	C.C.	1
C616	0660220	22pF				3
C617	0515100	10μF		50V	E.C.	1
C618	0515100	10μF				3
C619	0511330	33μF		10V	E.C.	1
C620	0511330	33μF				3
C621	0519101	1μF		50V	E.C.	1
C622	0519101	1μF				3
C623	0600226	0.0022μF	± 5 %	50V	M.C.	1
C624	0600226	0.0022μF				3
C625	0620821	820pF	± 5 %	50V	P.C.	1
C626	0620821	820pF				3
C631	0657223	0.022μF		50V	C.C.	2
R601	0107222	2.2kΩ	± 5 %	¼W	C.R.	2
R602	0107222	2.2kΩ				2
R603	0107683	68kΩ				2
R604	0107683	68kΩ				2
R605	0106184	180kΩ	± 5 %	¼W	C.R. (E.L.R.)	2
R606	0106184	180kΩ				2
R607	0106334	330kΩ				2
R608	0106334	330kΩ				2
R609	0107394	390kΩ	± 5 %	¼W	C.R.	2
R610	0107394	390kΩ				2
R611	0106223	22kΩ	± 5 %	¼W	C.R. (E.L.R.)	2
R612	0106223	22kΩ				2
R613	0106821	820Ω				1
R614	0106821	820Ω	± 5 %	¼W	C.R. (E.L.R.)	3
R615	0106563	56kΩ				1
R616	0106563	56kΩ				3
R617	0106224	220kΩ				1
R618	0106224	220kΩ				3
R619	0106222	2.2kΩ				1
R620	0106222	2.2kΩ				3
R621	0106103	10kΩ				1
R622	0106103	10kΩ				3
R623	0106473	47kΩ				1
R624	0106473	47kΩ				3
R625	0106332	3.3kΩ				1
R626	0106332	3.3kΩ				3
R627	0106680	68Ω				1
R628	0106680	68Ω				3
R629	0106680	68Ω				1
R630	0106680	68Ω				3
R631	0106104	100kΩ				1
R632	0106104	100kΩ				3
R633	0107681	680Ω	± 5 %	¼W	C.R.	1
R634	0107681	680Ω				3
R635	0106101	100Ω	± 5 %	¼W	C.R. (E.L.R.)	2
R636	0106101	100Ω				2
R637	0107273	27kΩ	± 5 %	¼W	C.R.	1
R638	0107273	27kΩ				3
R639	0106274	270kΩ	± 5 %	¼W	C.R. (E.L.R.)	1, 2
R640	0106274	270kΩ				2, 3
R641	0106223	22kΩ				1
R642	0106223	22kΩ				3
R643	0106101	100Ω				2

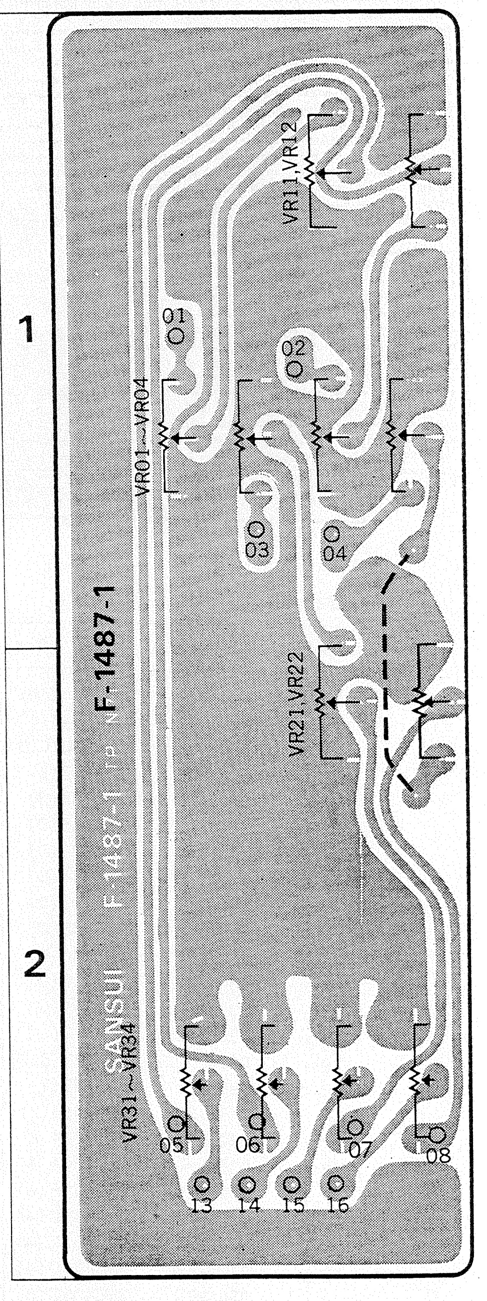
Abbreviations

C.R. : Carbon Resistor		**BP.E.C.**: Bi-Pola Electrolytic Capacitor	
S.R. : Solid Resistor		**C.C.** : Ceramic Capacitor	
Ce.R. : Cement Resistor		**Mi.C.** : Mica Capacitor	
M.R. : Metallized Film Resistor		**O.C.** : Oil Capacitor	
M.C. : Mylar Capacitor		**P.C.** : Polystyrene Capacitor	
E.C. : Electrolytic Capacitor		**T.C.** : Tantalum Capacitor	

6-2. F-1487 Volume Circuit Board

(Stock No. 7591850 Complete Circuit Board F-1487)

Conductor Side

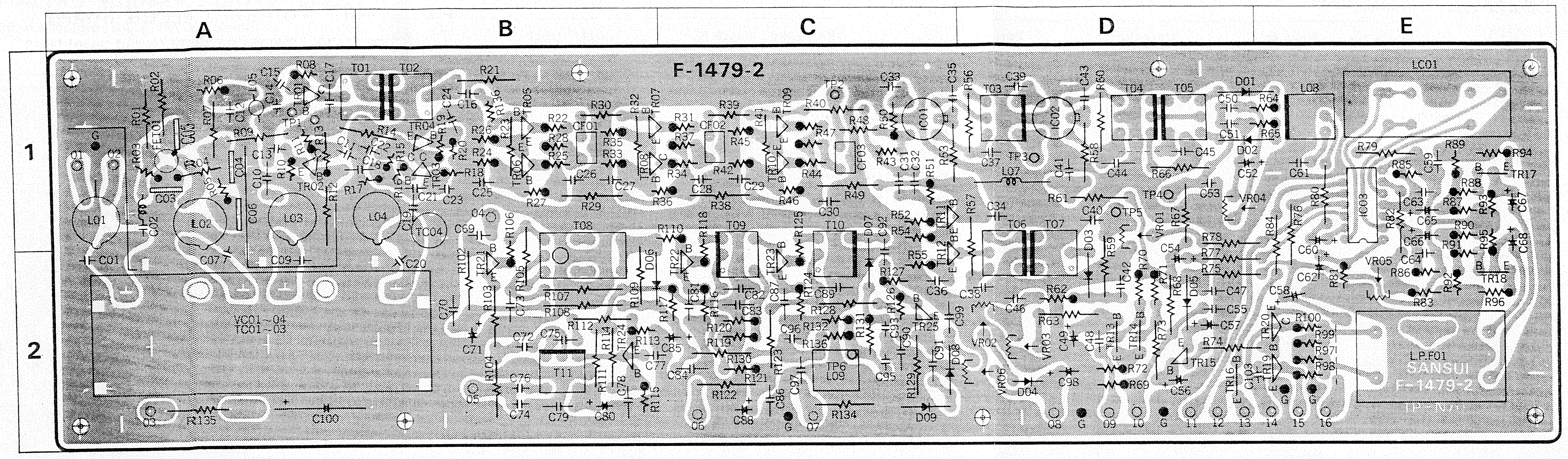


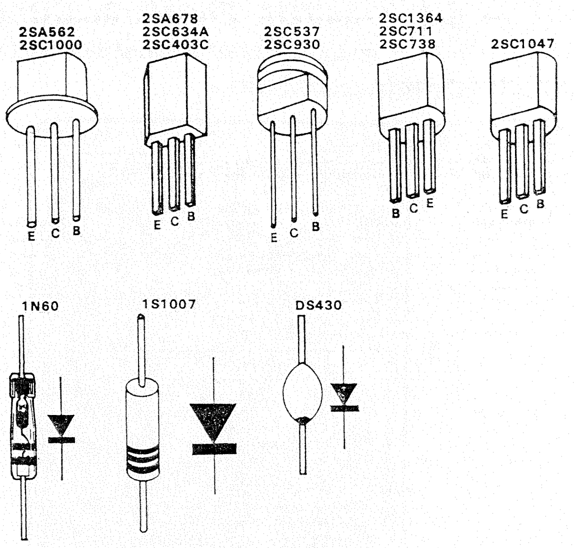
Parts List

Parts No.	Stock No.	Description		Position
VR01~04	1060250, 1	250kΩ (HB) × 4	Variable Resistor	1
VR11, 12	1010400, 1	250kΩ (HB)		1
VR21, 22	1010400, 1	250kΩ (HB)		1, 2
VR31~34	1060240, 1	250kΩ (B) × 4		2

6-3. F-1479A Tuner Circuit Board (Stock No. 7520700 Complete Circuit Board F-1479A)

Conductor Side





Parts List

Parts No.	Stock No.	Description		Position
TR01	0305801	2SC1047 (B)	Transistor	1 A
TR02	0305802	2SC1047 (C)		1 A
TR03	0305790, 1	2SC930 (C,D)		1 B
TR04	0305440	2SC537 (E)		1 B
TR05	0306113	2SC738 (D)		1 B
TR06	0306113	2SC738 (D)		1 B
TR07	0306113	2SC738 (D)		1 B, C
TR08	0306113	2SC738 (D)		1 B, C
TR09	0306113	2SC738 (D)		1 C
TR10	0306113	2SC738 (D)		1 C
TR11	0305791	2SC930 (D)		1 C
TR12	0305791	2SC930 (D)		1, 2 C
TR13	0305733	2SC711 (G)		2 D
TR14	0305733	2SC711 (G)		2 D
TR15	0300291, 2	2SA678 (6, 7)		2 D
TR16	0300221	2SA562 (Y)		2 D
TR17	0306132	2SC1364 (7)		1 E
TR18	0306132	2SC1364 (7)		2 E
TR19	0305891	2SC634A (6)		2 E
TR20	0305891	2SC634A (6)		2 E
TR21	0305992	2SC403C (4)		2 B
TR22	0305992	2SC403C (4)		2 C
TR23	0305992	2SC403C (4)		2 C
TR24	0305991	2SC403C (3)		2 B
TR25	0305991	2SC403C (3)		2 C
IC01	0360070	μpc555A	IC	1 C
IC02	0360070	μpc555A		1 D
IC03	0360080	HA1120		1 E
FET01	0370132	3SK41 (K)	FET	1 A
D01	0311016	1N60	Diode	1 D, E
D02	0311016	1N60		1 D, E
D03	0310331	1N60		2 D
D04	0340090	DS430		2 D

Parts No.	Stock No.	Description		Position
D05	0340090	DS430	Diode	2 D
D06	0310331	1N60		2 B
D07	0311090	1S1007-J		1, 2 C
D08	0310331	1N60		2 C
D09	0310331	1N60		2 C
T01	4235890	10.7MHz (WHITE)	FM IFT	1 A, B
T02	4235900	10.7MHz (BLACK)		1 B
T03	4235860	10.7MHz (BLACK)		1 D
T04	4235750	10.7MHz (PINK)	FM Discriminator Coil	1 D
T05	4235760	10.7MHz (BLUE)		1 D
T06	4235840	10.7MHz (BLUE)	FM IFT	1, 2 D
T07	4235920	10.7MHz (BLACK)		1, 2 D
T08	0910180	YEL-455E2 (CFW-455B)	Ceramic Filter	1, 2 B
T09	4230610	455kHz (BLACK)	AM IFT	1, 2 C
T10	4230580	455kHz (BLUE)		1, 2 C
T11	4220380	AM OSC Coil		2 B
CF01	0910150	SFE-10.7MA-M	Ceramic Filter	1 B
CF02	0910150	SFE-10.7MA-M		1 C
CF03	0910150	SFE-10.7MA-M		1 C
L01	4200560	FM ANT Coil		1 A
L02	4210300	FM RF Coil		1, 2 A
L03	4210300	FM RF Coil		1 A
L04	4220530	OSC Coil		1 A, B
L05	4290110	Choke Coil		1 A
L07	4290011	3.5μH Choke Coil		1 D
L08	4240720	19kHz Coil		1 E
L09	4290030	Peaking Coil		2 C
LC01	4240710	MPX Coil		1 E
LPF01	0910210	Low Pass Filter		2 E
VC01~04	1220130	Variable Capacitor		2 A, B
C01	0669368	6.8pF ±0.25pF 50V C.C.		2 A

Parts No.	Stock No.	Description				Position
C02	0656102	0.001μF		50V	C.C.	1 A
C03	0659015	2200pF		50V	C.C.	1 A
C04	0659015	2200pF				1 A
C05	0659015	2200pF		50V	C.C.	1 A
C06	0659015	2200pF				1 A
C07	0669370	10pF	±5pF	50V	C.C.	1, 2 A
C08	0679023	0.39pF	± 5 %	50V	C.C.	
C09	0669370	10pF	±5pF	50V	C.C.	2 A
C10	0669209	8.2pF	±0.25pF	50V	C.C.	1 A
C11	0656223	0.022μF		50V	C.C.	1 A
C12	0660221	220pF	±10%	50V	C.C.	1 A
C13	0669221	22pF	± 5 %	50V	C.C.	1 A
C14	0669209	8.2pF	±0.25pF	50V	C.C.	1 A
C15	0656223	0.022μF	± 5 %	50V	C.C.	1 A
C16	0656223	0.022μF				1 B
C17	0656223	0.022μF				1 A
C18	0669204	3.3pF	±0.25pF	50V	C.C.	1 A, B
C19	0669370	10pF				1 B
C20	0669215	15pF	± 5 %	50V	C.C.	2 B
C21	0669369	8.2pF	±0.25pF	50V		1 B
C22	0656223	0.022μF		50V		1 B
C23	0669375	15pF	± 5 %	50V		1 B
C24	0656223	0.022μF		50V	C.C.	1 B
C25	0656223	0.022μF				1 B
C26	0656223	0.022μF				1 B
C27	0656223	0.022μF				1 B
C28	0656223	0.022μF				1 C
C29	0656223	0.022μF				1 C
C30	0656223	0.022μF				1 C
C31	0669224	33pF				1 C
C32	0669218	18pF				1 C
C33	0656223	0.022μF		50V	C.C.	1 C
C34	0656223	0.022μF				1 D
C35	0656223	0.022μF				1 C
C36	0656223	0.022μF				2 C
C37	0656223	0.022μF				1 D
C38	0656223	0.022μF				2 D

Parts No.	Stock No.	Description				Position
C39	0656223	0.022μF		50V	C.C.	1 D
C40	0656223	0.022μF				1 D
C41	0656223	0.022μF				1 D
C42	0669226	47pF				2 D
C43	0656223	0.022μF				1 D
C44	0656473	0.047μF				1 D
C46	0656223	0.022μF		50V	C.C.	2 D
C47	0656223	0.022μF				2 D
C48	0656223	0.022μF				2 D
C49	0573687	0.068μF	±20%	25V	T.C.	2 D
C50	0660101	100pF	±10%	50V	C.C.	1 D
C51	0660101	100pF				1 D
C52	0519108	10μF		25V	E.C.	1 D
C53	0660101	100pF	±10%	50V	C.C.	1 D
C54	0513479	4.7μF		25V	E.C.	2 D
C55	0656223	0.022μF		50V	C.C.	2 D
C56	0519104	1.5μF	±20%	50V	E.C.	2 D
C57	0515339	3.3μF		50V	E.C.	2 D
C58	0512221	220μF		16V	E.C.	2 E
C59	0656223	0.022μF		50V	C.C.	1 E
C60	0515339	3.3μF		50V	E.C.	1 E
C61	0629001	6800pF	± 5 %	50V	P.C.	1 E
C62	0512100	10μF		16V	E.C.	2 E
C63	0600187	0.018μF	± 5 %	50V	M.C.	1 E
C64	0600187	0.018μF				2 E

Abbreviations

C.R. : Carbon Resistor
S.R. : Solid Resistor
Ce.R. : Cement Resistor
M.R. : Metallized Film Resistor
M.C. : Mylar Capacitor
E.C. : Electrolytic Capacitor
BP.E.C.: Bi-Pola Electrolytic Capacitor
C.C. : Ceramic Capacitor
Mi.C. : Mica Capacitor
O.C. : Oil Capacitor
P.C. : Polystyrene Capacitor
T.C. : Tantalum Capacitor

Parts No.	Stock No.	Description				Position
C_{65}	0519105	2.2μF	±20%	50V	E.C.	1 E
C_{66}	0519105	2.2μF				1 E
C_{67}	0519105	2.2μF				1 E
C_{68}	0519105	2.2μF				1, 2 E
C_{69}	0656223	0.022μF		50V	C.C.	1 B
C_{70}	0656223	0.022μF				2 B
C_{71}	0519102	3.3μF	±20%	50V	E.C.	2 B
C_{72}	0600107	0.01μF	± 5 %	50V	M.C.	2 B
C_{73}	0656473	0.047μF		50V	C.C.	2 B
C_{74}	0669215	15pF				2 B
C_{75}	0600107	0.01μF	± 5 %	50V	M.C.	2 B
C_{76}	0620361	360pF	± 5 %	50V	P.C.	2 B
C_{77}	0669223	27pF	± 5 %	50V	C.C.	2 B, C
C_{78}	0656473	0.047μF		50V	C.C.	2 B
C_{79}	0656473	0.047μF				2 B
C_{80}	0512470	47μF		16V	E.C.	2 B
C_{81}	0656473	0.047μF		50V	C.C.	2 C
C_{82}	0656473	0.047μF				2 C
C_{83}	0656473	0.047μF				2 C
C_{84}	0656473	0.047μF				2 C
C_{85}	0512100	10μF		16V	E.C.	2 C
C_{86}	0656473	0.047μF		50V	C.C.	2 C
C_{87}	0601108	0.1μF	±10%	50V	M.C.	2 C
C_{88}	0512470	47μF		16V	E.C.	2 C
C_{89}	0656473	0.047μF		50V	C.C.	2 C
C_{90}	0656473	0.047μF				2 C
C_{91}	0656473	0.047μF				2 C
C_{92}	0669226	47pF	± 5 %	50V	C.C.	1, 2 C
C_{93}	0600476	0.047μF	± 5 %	50V	M.C.	2 C
C_{95}	0600476	0.047μF				2 C
C_{96}	0600107	0.01μF	± 5 %	50V	M.C.	2 C
C_{97}	0601477	0.047μF	±10%	50V	M.C.	2 C
C_{98}	0510101	100μF		6.3V	E.C.	2 D
C_{99}	0656473	0.047μF		50V	C.C.	2 C
C_{100}	0502100	10μF		16V	E.C.	2 A, B
C_{103}	0620221	220pF	± 5 %	50V	P.C.	2 D, E
C_{104}	0669381	22pF	± 5 %	50V	C.C.	
R_{01}	0107104	100kΩ	± 5 %	¼W	C.R.	1 A
R_{02}	0107181	180Ω				1 A
R_{03}	0106104	100kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 A
R_{04}	0106224	220kΩ				1 A
R_{05}	0106220	22Ω				1 A
R_{06}	0106562	5.6kΩ				1 A
R_{07}	0107123	12kΩ	± 5 %	¼W	C.R.	1 A
R_{08}	0106272	2.7kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 A
R_{09}	0107220	22Ω	± 5 %	¼W	C.R.	1 A
R_{10}	0106221	220Ω	± 5 %	¼W	C.R. (E.L.R.)	1 A
R_{11}	0106121	120Ω				1 A
R_{12}	0107682	6.8kΩ	± 5 %	¼W	C.R.	1 A
R_{13}	0106473	47kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 A
R_{14}	0107222	2.2kΩ	± 5 %	¼W	C.R.	1 A, B
R_{15}	0106152	1.5kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 B
R_{16}	0106270	27Ω				1 B
R_{17}	0106222	2.2kΩ				1 B
R_{18}	0107122	1.2kΩ				1 B
R_{19}	0106123	12kΩ				1 B
R_{20}	0106332	3.3kΩ				1 B
R_{21}	0107222	2.2kΩ	± 5 %	¼W	C.R.	1 B
R_{22}	0106151	150Ω	± 5 %	¼W	C.R. (E.L.R.)	1 B
R_{23}	0107182	1.8kΩ	± 5 %	¼W	C.R.	1 B
R_{24}	0106182	1.8kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 B
R_{25}	0106151	150Ω				1 B
R_{26}	0106101	100Ω				1 B
R_{27}	0106153	15kΩ				1 B
R_{28}	0106331	330Ω				1 B
R_{29}	0107479	4.7Ω	± 5 %	¼W	C.R.	1 B
R_{30}	0113101	100Ω	± 5 %	¼W	S.R.	1 B
R_{31}	0106151	150Ω	± 5 %	¼W	C.R. (E.L.R.)	1 C
R_{32}	0107182	1.8kΩ	± 5 %	¼W	C.R.	1 B
R_{33}	0106472	4.7kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 B
R_{34}	0106151	150Ω				1 C
R_{35}	0106224	220kΩ				1 B
R_{36}	0106153	15kΩ				1 B, C
R_{37}	0106471	470Ω				1 C
R_{38}	0107479	4.7Ω	± 5 %	¼W	C.R.	1 C
R_{39}	0113101	100Ω	± 5 %	¼W	S.R.	1 C
R_{40}	0106151	150Ω	± 5 %	¼W	C.R. (E.L.R.)	1 C
R_{41}	0107182	1.8kΩ	± 5 %	¼W	C.R.	1 C
R_{42}	0106472	4.7kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 C
R_{43}	0107222	2.2kΩ	± 5 %	¼W	C.R.	1 C
R_{44}	0106151	150Ω	± 5 %	¼W	C.R. (E.L.R.)	1 C
R_{45}	0106224	220kΩ				1 C
R_{46}	0106153	15kΩ				1 C
R_{47}	0106471	470Ω				1 C
R_{48}	0113100	10Ω	± 5 %	¼W	S.R.	1 C
R_{49}	0107479	4.7Ω	± 5 %	¼W	C.R.	1 C
R_{50}	0106331	330Ω	± 5 %	¼W	C.R. (E.L.R.)	1 C
R_{51}	0106473	47kΩ				1 C
R_{52}	0106153	15kΩ				1 C
R_{53}	0107100	10Ω	± 5 %	¼W	C.R.	1 C
R_{54}	0106222	2.2kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 C
R_{55}	0106821	820Ω				2 C
R_{56}	0107562	5.6kΩ	± 5 %	¼W	C.R.	1 D
R_{57}	0107101	100Ω				1, 2 D
R_{58}	0107100	10Ω				1 D
R_{59}	0107103	10kΩ				1, 2 D
R_{60}	0107682	6.8kΩ				1 D
R_{61}	0107479	4.7Ω				1 D
R_{62}	0106392	3.9kΩ	± 5 %	¼W	C.R. (E.L.R.)	2 D
R_{63}	0107683	68kΩ	± 5 %	¼W	C.R.	2 D
R_{64}	0106102	1kΩ	± 5 %	¼W	C.R. (E.L.R.)	1 D, E
R_{65}	0106102	1kΩ				1 D, E
R_{66}	0107100	10Ω	± 5 %	¼W	C.R.	1 D
R_{67}	0107102	1kΩ				1, 2 D
R_{68}	0107153	15kΩ				2 D
R_{69}	0106152	1.5kΩ	± 5 %	¼W	C.R. (E.L.R.)	2 D
R_{70}	0106105	1MΩ				2 D
R_{71}	0106153	15kΩ				2 D
R_{72}	0106560	56Ω				2 D
R_{73}	0107473	47kΩ	± 5 %	¼W	C.R.	2 D
R_{74}	0107472	4.7kΩ				2 D, E
R_{75}	0107479	4.7Ω				2 D, E
R_{76}	0107104	100kΩ				1, 2 E
R_{77}	0107100	10Ω				2 D, E
R_{78}	0107104	100kΩ				2 D, E
R_{79}	0107221	220Ω				1 E
R_{80}	0107479	4.7Ω				1 E
R_{81}	0106472	4.7kΩ	± 5 %	¼W	C.R. (E.L.R.)	2 E

to be continued

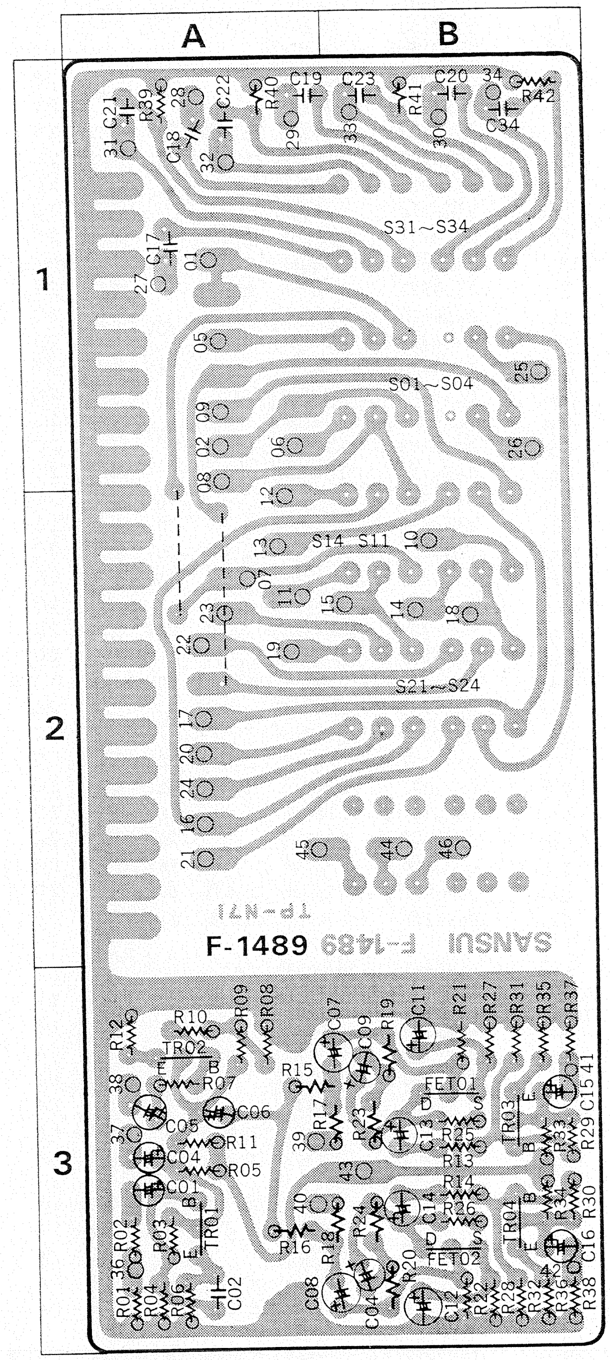
F-1479A Parts List

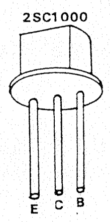
Parts No.	Stock No.	Description		Position
R82	0107151	150Ω	±5% ¼W C.R.	1, 2 E
R83	0106561	560Ω	±5% ¼W C.R. (E.L.R.)	2 E
R84	0107822	8.2kΩ	±5% ¼W C.R.	1, 2 E
R85	0106332	3.3kΩ	±5% ¼W C.R. (E.L.R.)	1 E
R86	0106332	3.3kΩ		2 E
R87	0106184	180kΩ		1 E
R88	0106332	3.3kΩ		1 E
R89	0106273	27kΩ		1 E
R90	0106184	180kΩ		1 E
R91	0106332	3.3kΩ		2 E
R92	0106273	27kΩ		2 E
R93	0106332	3.3kΩ		1 E
R94	0106391	390Ω		1 E
R95	0106332	3.3kΩ		1, 2 E
R96	0106391	390Ω		2 E
R97	0106332	3.3kΩ		2 E
R98	0106562	5.6kΩ		2 E
R99	0106332	3.3kΩ		2 E
R100	0106562	5.6kΩ		2 E
R102	0107103	10kΩ	±5% ¼W C.R.	2 B
R103	0107220	22Ω		2 B
R104	0107102	1kΩ		2 B
R105	0107224	220kΩ		1, 2 B
R106	0106561	560Ω	±5% ¼W C.R. (E.L.R.)	1, 2 B
R107	0107561	560Ω	±5% ¼W C.R.	2 B
R108	0107392	3.9kΩ		2 B
R109	0107123	12kΩ		2 B
R110	0106332	3.3kΩ	±5% ¼W C.R. (E.L.R.)	1 B, C
R111	0107272	2.7kΩ	±5% ¼W C.R.	2 B
R112	0107100	10Ω		2 B
R113	0106102	1kΩ	±5% ¼W C.R. (E.L.R.)	2 B
R114	0107223	22kΩ	±5% ¼W C.R.	2 B
R115	0106332	3.3kΩ	±5% ¼W C.R. (E.L.R.)	2 B
R116	0106102	1kΩ		2 C
R117	0106124	120kΩ		2 C
R118	0106681	680Ω		1, 2 C
R119	0106562	5.6kΩ		2 C
R120	0106822	8.2kΩ		2 C
R121	0106470	47Ω		2 C
R122	0107470	47Ω	±5% ¼W C.R.	2 C
R123	0107101	100Ω		2 C
R124	0106102	1kΩ	±5% ¼W C.R. (E.L.R.)	2 C
R125	0106471	470Ω		1, 2 C
R126	0106223	22kΩ		2 C
R127	0106103	10kΩ		2 C
R128	0107101	100Ω	±5% ¼W C.R.	2 C
R129	0107272	2.7kΩ		2 C
R130	0107153	15kΩ		2 C
R131	0106102	1kΩ	±5% ¼W C.R. (E.L.R.)	2 C
R132	0106472	4.7kΩ		2 C
R134	0107473	47kΩ	±5% ¼W C.R.	2 C
R136	0106332	3.3kΩ	±5% ¼W C.R. (E.L.R.)	1 B, 2 C
VR01	1035190	100kΩ(B)	Semi-Variable Resistor (Solid Type)	1, 2 D
VR02	1035170	47kΩ(B)		2 D
VR03	1035190	100kΩ(B)		2 D
VR04	1035130	10kΩ(B)		1 D
VR05	1035070	1kΩ(B)		2 E
VR06	1035170	47kΩ(B)		2 D

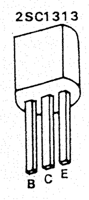
6-4. F-1489 Mixing & Accessory Circuit Board

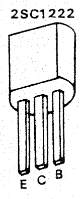
(Stock No. 7591870 Complete Circuit Board F-1489)

Conductor Side


A
B
1
2
3
31 C21
R39
28
C18
32
C22
R40
C19
29
C23
33
R41
30
C20
34
R42
C34
S31~S34
27 C17
01
05
25
S01~S04
09
02
08
06
26
12
13
07
S14
S11
10
23
22
11
19
15
14
18
S21~S24
17
20
24
16
21
45
44
46
TP-N71
F-1489
SANSUI F-1489
R12
R10
R09
R08
TR02
E
B
C07
C09
R19
C11
R21
R27
R31
R35
R37
38
R07
R15
FET01
D
S
37
C05
C06
39
R17
R23
C13
R22
R13
TR03
B
E
R33
R29
C15
41
C04
R11
R05
C01
43
R14
R26
TR04
R34
C16
R30
36
R02
R03
B
E
TR01
R16
40
R18
R24
C14
D
FET02
R01
R04
R06
C02
C08
C03
R20
C12
R32
R28
R36
R38


2SC1000
E
C
B


2SC1313
B
C
E


2SC1222
E
C
B

Parts List

Parts No.	Stock No.	Description				Position
TR01	0306071, 2 or 0305880, 1 or 0306011, 2	2SC1313Ⓡ (G, H) or 2SC1000 (GR, BL) or 2SC1222 (E, F)			Transistor	3 A
TR02	0306071, 2 or 0305880, 1 or 0306011, 2	2SC1313Ⓡ (G, H) or 2SC1000 (GR, BL) or 2SC1222 (E, F)				3 A
TR03	0306071, 2 or 0305880, 1 or 0306011, 2	2SC1313Ⓡ (G, H) or 2SC1000 (GR, BL) or 2SC1222 (E, F)				3 B
TR04	0306071, 2 or 0305880, 1 or 0306011, 2	2SC1313Ⓡ (G, H) or 2SC1000 (GR, BL) or 2SC1222 (E, F)				3 B
FET01	0370061	2SK24 (F)			FET	3 B
FET02	0370061	2SK24 (F)				3 B
C01	0573108	0.1μF		25V	T.C.	3 A
C02	0660101	100pF	±10%	50V	C.C.	3 A
C04	0573478	0.47μF		25V	T.C.	3 A . 3 B
C05	0573478	0.47μF				3 A
C06	0573478	0.47μF				3 A
C07	0573688	0.68μF				3 A , B
C08	0573688	0.68μF				3 A , B
C09	0573478	0.47μF				3 B
C10	0573478	0.47μF				
C11	0510470	47μF		6.3V	E.C.	3 B
C12	0510470	47μF				3 B
C13	0573339	3.3μF		50V	T.C.	3 B
C14	0573339	3.3μF				3 B
C15	0519106	4.7μF				3 B
C16	0519106	4.7μF				3 B
C17	0620151	150pF		50V	P.C.	1 A
C18	0620151	150pF				1 A
C19	0620151	150pF				1 A , B
C20	0620151	150pF				1 B
C21	0600227	0.022μF		50V	M.C.	1 A
C22	0600227	0.022μF				1 A
C23	0600227	0.022μF				1 B
C24	0600227	0.022μF				
C25	0657222	0.0022μF		50V	C.C.	
R01	0106103	10kΩ	± 5 %	¼W	C.R. (E.L.R.)	3 A
R02	0106102	1kΩ				3 A
R03	0106394	390kΩ				3 A
R04	0106563	56kΩ				3 A
R05	0106333	33kΩ				3 A
R06	0106272	2.7kΩ				3 A
R07	0106272	2.7kΩ				3 A
R08	0106394	390kΩ				3 A
R09	0106474	470kΩ				3 A
R10	0106274	270kΩ				3 A
R11	0106332	3.3kΩ				3 A
R12	0106152	1.5kΩ				3 A
R13	0106682	6.8kΩ				3 B
R14	0106682	6.8kΩ				3 B
R15	0106473	47kΩ				3 A
R16	0106473	47kΩ	± 5 %	¼W	C.R. (E.L.R.)	3 A
R17	0106473	47kΩ				3 A
R18	0106473	47kΩ				3 A
R19	0106563	56kΩ				3 B
R20	0106563	56kΩ				3 B
R21	0106683	68kΩ				3 B
R22	0106683	68kΩ				3 B
R23	0106334	330kΩ				3 B
R24	0106334	330kΩ				3 B
R25	0106562	5.6kΩ				3 B
R26	0106562	5.6kΩ				3 B
R27	0106681	680Ω				3 B
R28	0106681	680Ω				3 B
R29	0106274	270kΩ				3 B
R30	0106274	270kΩ				3 B
R31	0106683	68kΩ				3 B
R32	0106683	68kΩ				3 B
R33	0106472	4.7kΩ				3 B
R34	0106472	4.7kΩ				3 B
R35	0106102	1kΩ				3 B
R36	0106102	1kΩ				3 B
R37	0106104	100kΩ				3 B
R38	0106104	100kΩ				3 B
R39	0106333	33kΩ				1 A
R40	0106333	33kΩ				1 A
R41	0106333	33kΩ				1 B
R42	0106333	33kΩ				1 B
	1130750	Push Switch				

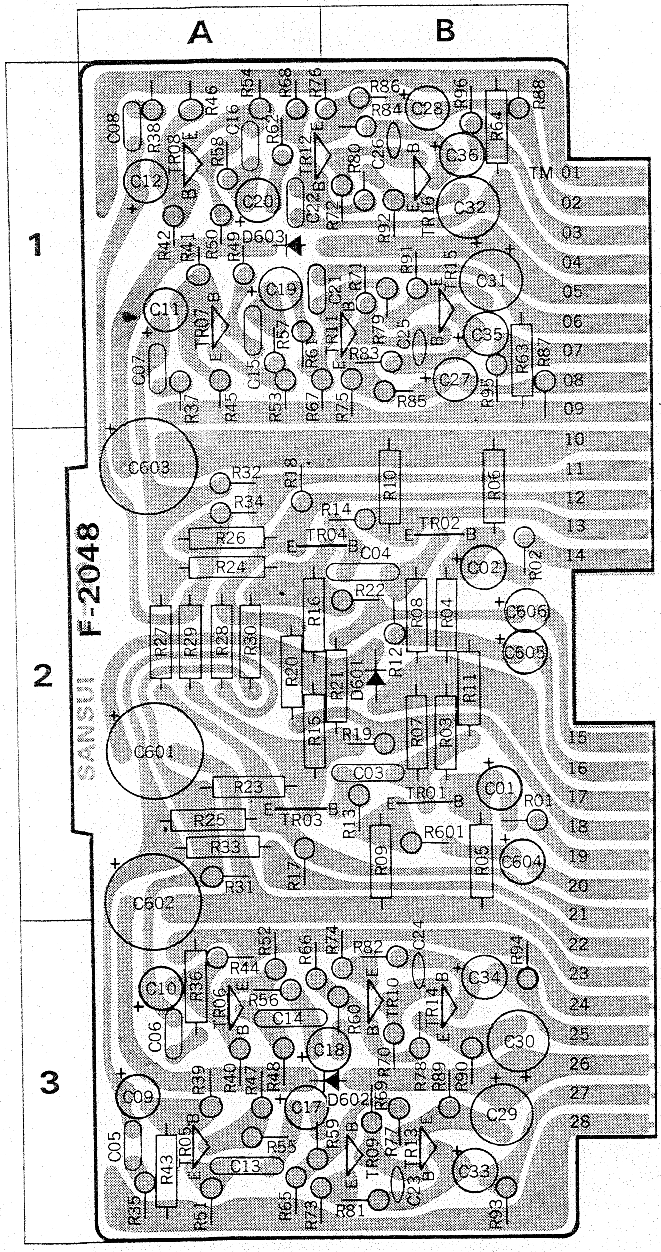
Abbreviations

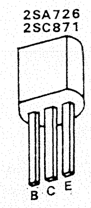
C.R. : Carbon Resistor
S.R. : Solid Resistor
Ce.R. : Cement Resistor
M.R. : Metallized Film Resistor
M.C. : Mylar Capacitor
E.C. : Electrolytic Capacitor
BP.E.C.: Bi-Pola Electrolytic Capacitor
C.C. : Ceramic Capacitor
Mi.C. : Mica Capacitor
O.C. : Oil Capacitor
P.C. : Polystyrene Capacitor
T.C. : Tantalum Capacitor

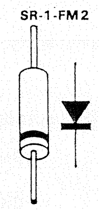
6-5. F-2048 Vario-Matrix Circuit Board

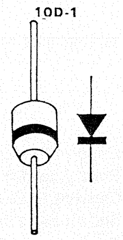
(Stock No. 7650120 Complete Circuit Board F-2048)

Conductor Side


A
B
1
2
3
F-2048
SANSUI
TM 01
02
03
04
05
06
07
08
09
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
C08
R38
TR08
R46
R54
R68
R76
R86
R84
C28
R96
R64
R88
C12
R58
C16
R62
TR12
R80
C26
C36
C20
C22
R72
TR16
C32
R42
R41
R50
R49
D603
R92
R91
TR15
C19
R71
C21
C31
C11
TR07
R57
TR11
R79
C25
C35
R63
R87
C07
C15
R61
R83
C27
R37
R45
R53
R67
R75
R85
R95
C603
R32
R18
R10
R06
R34
R14
R26
TR04
TR02
C04
R24
C02
R02
R22
R27
R29
R28
R30
R16
R08
R04
C606
C605
R20
R21
D601
R12
R11
C601
R15
R19
R07
R03
C03
R23
TR01
C01
R01
R25
TR03
R13
R601
R33
R09
R05
C604
R17
R31
C602
R52
R66
R74
R82
C24
R94
R44
C10
R36
TR06
R56
TR10
TR14
C34
C14
R60
C06
C18
C30
R39
R40
R47
R48
R69
R78
R89
R90
C09
C17
D602
C29
C05
R43
TR05
R55
C13
R59
TR09
R77
TR13
C33
C23
R35
R51
R65
R73
R81
R93
E
B


2SA726
2SC871
B C E





Parts List

Parts No.	Stock No.	Description				Position
TR01	0305475	2SC871 Ⓡ (F)	Transistor			2 B
TR02	0305475	2SC871 Ⓡ (F)				2 B
TR03	0305475	2SC871 Ⓡ (F)				2 A , B
TR04	0305475	2SC871 Ⓡ (F)				2 A , B
TR05	0300470 or 0300410	2SA726 Ⓦ (F) or 2SA726 Ⓡ (F)				3 A
TR06	0305475	2SC871 Ⓡ (F)				3 A
TR07	0305475	2SC871 Ⓡ (F)				1 A
TR08	0300470 or 0300410	2SA726 Ⓦ (F) or 2SA726 Ⓡ (F)				1 A
TR09	0305475	2SC871 Ⓡ (F)				3 B
TR10	0305475	2SC871 Ⓡ (F)				3 B
TR11	0305475	2SC871 Ⓡ (F)				1 B
TR12	0305475	2SC871 Ⓡ (F)				1 A , B
TR13	0300470 or 0300410	2SA726 Ⓦ (F) or 2SA726 Ⓡ (F)				3 B
TR14	0300470 or 0300410	2SA726 Ⓦ (F) or 2SA726 Ⓡ (F)				3 B
TR15	0300470 or 0300410	2SA726 Ⓦ (F) or 2SA726 Ⓡ (F)				1 B
TR16	0300470 or 0300410	2SA726 Ⓦ (F) or 2SA726 Ⓡ (F)				1 B
D601	0310870 or 0310340	SR-1-FM2 or 10D-1	Diode			2 B
D602	0300470 or 0300340	SR-1-FM2 or 10D-1				3 A , B
D603	0310870 or 0310340	SR-1-FM2 or 10D-1				1 A
C01	0519102	3.3 μF		50V	E.C.	2 B
C02	0519102	3.3 μF				2 B
C03	0600107	0.01 μF		50V	M.C.	2 B
C04	0600107	0.01 μF				2 B
C05	0600157	0.015 μF				3 A
C06	0600157	0.015 μF				3 A
C07	0600107	0.01 μF				1 A
C08	0600107	0.01 μF				1 A
C09	0519105	2.2 μF		50V	E.C.	3 A
C10	0519105	2.2 μF				3 A
C11	0573108	0.1 μF		25V	T.C.	1 A
C12	0573108	0.1 μF				1 A
C13	0600607	0.06 μF		50V	M.C.	3 A
C14	0600607	0.06 μF				3 A
C15	0600126	0.0012 μF				1 A
C16	0600686	0.0068 μF				1 A
C17	0573228	0.22 μF		25V	T.C.	3 A
C18	0573228	0.22 μF				3 A , B
C19	0573228	0.22 μF				1 A
C20	0573228	0.22 μF				1 A
C21	0600106	0.001 μF	± 5 %	50V	M.C.	1 A
C22	0600156	0.0015 μF				1 A
C23	0660470	47 pF		50V	C.C.	3 B
C24	0660470	47 pF				3 B
C25	0660470	47 pF				1 B
C26	0660470	47 pF				1 B
C27	0513100	10 μF		25V	E.C.	1 B

Parts No.	Stock No.	Description		Position
C_{28}	0513100	10μF	25V E.C.	1 B
C_{29}	0510101	100μF	6.3V E.C.	3 B
C_{30}	0510101	100μF		3 B
C_{31}	0510101	100μF		1 B
C_{32}	0510101	100μF		1 B
C_{33}	0573478	0.47μF	25V T.C.	3 B
C_{34}	0573478	0.47μF		3 B
C_{35}	0573478	0.47μF		1 B
C_{36}	0573478	0.47μF		1 B
C_{37}	0666151	150pF	50V C.C.	
C_{38}	0666151	150pF		
C_{39}	0666151	150pF		
C_{40}	0666151	150pF		
C_{601}	0513221	220μF	25V E.C.	2 A
C_{602}	0513221	220μF		2, 3 A
C_{603}	0513221	220μF		1, 2 A
C_{604}	0513100	10μF		2 B
C_{605}	0573108	0.1μF	25V T.C.	2 B
C_{606}	0573108	0.1μF		2 B
R_{01}	0106222	2.2kΩ	± 5% ¼W C.R. (E.L.R.)	2 B
R_{02}	0106222	2.2kΩ		2 B
R_{03}	0107224	220kΩ	± 5% ¼W C.R.	2 B
R_{04}	0107224	220kΩ		2 B
R_{05}	0107104	100kΩ		2 B
R_{06}	0107104	100kΩ		2 B
R_{07}	0107222	2.2kΩ		2 B
R_{08}	0107222	2.2kΩ		2 B
R_{09}	0107222	2.2kΩ		2 B
R_{10}	0107222	2.2kΩ		2 B
R_{11}	0107224	220kΩ		2 B
R_{12}	0106224	220kΩ	± 5% ¼W C.R. (E.L.R.)	2 B
R_{13}	0106223	22kΩ		2 B
R_{14}	0106223	22kΩ		2 B
R_{15}	0107152	1.5kΩ	± 5% ¼W C.R.	2 A
R_{16}	0107152	1.5kΩ		2 A
R_{17}	0106152	1.5kΩ	± 5% ¼W C.R. (E.L.R.)	2 A
R_{18}	0106152	1.5kΩ		2 A
R_{19}	0106224	220kΩ		2 B
R_{20}	0107224	220kΩ	± 5% ¼W C.R.	2 A
R_{21}	0107224	220kΩ		2 B
R_{22}	0106224	220kΩ	± 5% ¼W C.R. (E.L.R.)	2 B
R_{23}	0107104	100kΩ	± 5% ¼W C.R.	2 A
R_{24}	0107104	100kΩ		2 A
R_{25}	0107104	100kΩ		2 A
R_{26}	0107104	100kΩ		2 A
R_{27}	0107104	100kΩ		2 A
R_{28}	0107104	100kΩ		2 A
R_{29}	0107104	100kΩ		2 A
R_{30}	0107104	100kΩ		2 A
R_{31}	0106563	56kΩ	± 5% ¼W C.R. (E.L.R.)	2 A
R_{32}	0106563	56kΩ		2 A
R_{33}	0107563	56kΩ	± 5% ¼W C.R.	2 A
R_{34}	0106563	56kΩ	± 5% ¼W C.R. (E.L.R.)	2 A
R_{35}	0106563	56kΩ		3 A
R_{36}	0107563	56kΩ	± 5% ¼W C.R.	3 A
R_{37}	0106563	56kΩ	± 5% ¼W C.R. (E.L.R.)	1 A
R_{38}	0106563	56kΩ		1 A
R_{39}	0106104	100kΩ		3 A
R_{40}	0106224	220kΩ		3 A
R_{41}	0106224	220kΩ		1 A
R_{42}	0106104	100kΩ		1 A
R_{43}	0107224	220kΩ	± 5% ¼W C.R.	3 A
R_{44}	0106104	100kΩ	± 5% ¼W C.R. (E.L.R.)	3 A
R_{45}	0106104	100kΩ		1 A
R_{46}	0106224	220kΩ		1 A
R_{47}	0106682	6.8kΩ		3 A
R_{48}	0106682	6.8kΩ		3 A
R_{49}	0106682	6.8kΩ		1 A
R_{50}	0106682	6.8kΩ		1 A
R_{51}	0106682	6.8kΩ		3 A
R_{52}	0106682	6.8kΩ		3 A
R_{53}	0106682	6.8kΩ		1 A
R_{54}	0106682	6.8kΩ		1 A
R_{55}	0106223	22kΩ		3 A
R_{56}	0106223	22kΩ		3 A
R_{57}	0106153	15kΩ		1 A
R_{58}	0106153	15kΩ		1 A
R_{59}	0106223	22kΩ		3 A
R_{60}	0106223	22kΩ		3 B
R_{61}	0106223	22kΩ		1 A
R_{62}	0106223	22kΩ		1 A
R_{63}	0107104	100kΩ	± 5% ¼W C.R.	1 B
R_{64}	0107104	100kΩ		1 B
R_{65}	0106154	150kΩ	± 5% ¼W C.R. (E.L.R.)	3 A
R_{66}	0106154	150kΩ		3 A
R_{67}	0106154	150kΩ		1 A, B
R_{68}	0106154	150kΩ		1 A
R_{69}	0106124	120kΩ		3 B
R_{70}	0106124	120kΩ		3 B
R_{71}	0106124	120kΩ		1 B
R_{72}	0106124	120kΩ		1 B
R_{73}	0106392	3.9kΩ		3 A
R_{74}	0106392	3.9kΩ		3 B
R_{75}	0106392	3.9kΩ		1 B
R_{76}	0106392	3.9kΩ		1 A, B
R_{77}	0106824	820kΩ		3 B
R_{78}	0106824	820kΩ		3 B
R_{79}	0106824	820kΩ		1 B
R_{80}	0106824	820kΩ		1 B
R_{81}	0106123	12kΩ		3 B
R_{82}	0106123	12kΩ		3 B
R_{83}	0106123	12kΩ		1 B
R_{84}	0106123	12kΩ		1 B
R_{85}	0106123	12kΩ		1 B
R_{86}	0106123	12kΩ		1 B
R_{87}	0106104	100kΩ		1 B
R_{88}	0106104	100kΩ		1 B
R_{89}	0106122	1.2kΩ		3 B
R_{90}	0106122	1.2kΩ		3 B
R_{91}	0106122	1.2kΩ		1 B
R_{92}	0106122	1.2kΩ		1 B
R_{93}	0106104	100kΩ		3 B
R_{94}	0106104	100kΩ		3 B
R_{95}	0106104	100kΩ		1 B
R_{96}	0106104	100kΩ		1 B

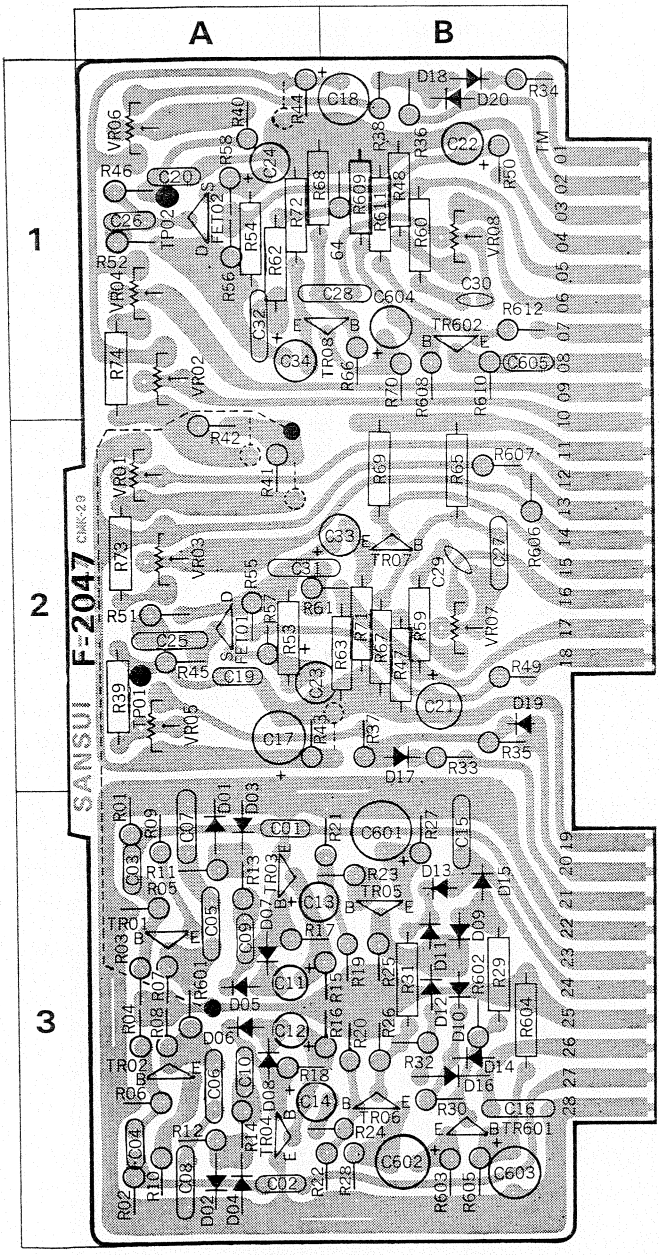
Abbreviations

C.R.	Carbon Resistor
S.R.	Solid Resistor
Ce.R.	Cement Resistor
M.R.	Metallized Film Resistor
M.C.	Mylar Capacitor
E.C.	Electrolytic Capacitor
BP.E.C.	Bi-Pola Electrolytic Capacitor
C.C.	Ceramic Capacitor
Mi.C.	Mica Capacitor
O.C.	Oil Capacitor
P.C.	Polystyrene Capacitor
T.C.	Tantalum Capacitor

6-6. F-2047 Vario-Matrix Circuit Board

(Stock No. 7850110 Complete Circuit Board F-2047)

Conductor Side


A
B
1
2
3
F-2047
SANSUI
CMK-29
VR06
VR04
VR02
VR01
VR03
VR05
VR07
VR08
R46
R52
R74
R73
R51
R39
TP01
TP02
FET01
FET02
C20
C26
C18
C22
C24
C28
C30
C32
C34
C604
C605
TR602
TR08
TR07
R612
D18
D20
R34
R44
R40
R58
R38
R36
R50
R56
R54
R62
R72
R68
R609
R611
R48
R60
R66
R70
R608
R610
R42
R41
R69
R65
R607
R606
C33
C31
C29
C27
R55
R57
R53
R61
R63
R71
R67
R59
R47
R45
C25
C19
C23
C21
C17
R43
R37
R49
D19
D17
R33
R35
R01
R09
C07
D01
D03
C01
R21
C601
R27
C15
C03
R11
R05
R13
TR03
C13
R23
TR05
D13
D15
TR01
R03
C05
C09
D07
R17
D09
D11
R602
R29
R07
VR601
D05
C11
R15
R19
R25
R31
R604
R04
R08
D06
C12
R16
R20
R26
D12
D10
TR02
R06
C06
C10
D08
R18
C14
TR06
R32
D14
D16
R30
C16
TR601
R12
R14
TR04
R24
C602
C603
C04
R10
C08
C02
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D04
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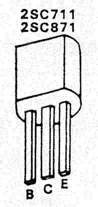
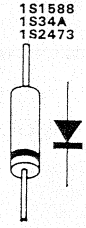

2SC711
2SC871
B
C
E


1S1588
1S34A
1S2473

Parts List

Parts No.	Stock No.	Description				Position
TR01	0305732	2SC711 (F)	Transistor			3 A
TR02	0305732	2SC711 (F)				3 A
TR03	0305732	2SC711 (F)				3 A
TR04	0305732	2SC711 (F)				3 A
TR05	0305732	2SC711 (F)				3 B
TR06	0305732	2SC711 (F)				3 B
TR07	0305475	2SC871 Ⓡ(F)				2 B
TR08	0305475	2SC871 Ⓡ(F)				1 A, B
TR601	0305732	2SC711 (F)				3 B
TR602	0305475	2SC871 Ⓡ(F)				1 B
FET01	0370140, 1	2SK34 (E, D)	FET			2 A
FET02	0370140, 1	2SK34 (E, D)				1 A
D01	0311190	1S34	Diode			3 A
D02	0311190	1S34				3 A
D03	0311190	1S34				3 A
D04	0311190	1S34				3 A
D05	0311180 or 0311160	1S1588 or 1S2473D				3 A
D06	0311180 or 0311160	1S1588 or 1S2473D				3 A
D07	0311180 or 0311160	1S1588 or 1S2473D				3 A
D08	0311180 or 0311160	1S1588 or 1S2473D				3 A
C01	0600106	0.001μF	± 5 %	50V	M.C.	3 A
C02	0600106	0.001μF				3 A
C03	0600206	0.002μF				3 A
C04	0600206	0.002μF				3 A
C05	0600477	0.047μF				3 A
C06	0600477	0.047μF				3 A
C07	0600206	0.002μF				3 A
C08	0600206	0.002μF				3 A
C09	0600477	0.047μF				3 A
C10	0600477	0.047μF				2 A
C11	0573228	0.22μF		25V	T.C.	3 A
C12	0573228	0.22μF				3 A
C13	0513479	4.7μF		25V	E.C.	3 A, B
C14	0513479	4.7μF				3 A, B
C15	0600477	0.047μF	± 5 %	50V	M.C.	3 B
C16	0600477	0.047μF				3 B
C17	0513100	10μF		25V	E.C.	2 A
C18	0513100	10μF				1 B
C19	0600397	0.039μF	± 5 %	25V	M.C.	2 A
C20	0600187	0.018μF				1 A
C21	0513100	10μF		25V	E.C.	2 B
C22	0513100	10μF				1 B
C23	0513479	4.7μF				2 A, B
C24	0513479	4.7μF				1 A
C25	0600226	0.0022μF	± 5 %	50V	M.C.	2 A
C26	0600226	0.0022μF				1 A
C27	0600477	0.047μF				2 B
C28	0600227	0.022μF				1 A, B
C29	0620681	680pF	± 5 %	50V	P.C.	2 B
C30	0620681	680pF				1 B
C31	0600397	0.039μF	± 5 %	50V	M.C.	2 A, B
C32	0600397	0.039μF				1 A

Parts No.	Stock No.	Description		Position
C33	05 13479	4.7μF 25V	E.C.	2 A , B
C34	05 13479	4.7μF 25V		1 A
C601	05 10101	100μF 6.3V		3 B
C602	05 10101	100μF 6,3V		3 B
C603	05 13479	4.7μF 25V		3 B
C604	05 19102	3.3μF 50V		1 B
C605	06 00476	0.0047μF 50V	M.C.	1 B
R01	01 06683	68kΩ	± 5 % ¼W C.R. (E.L.R.)	3 A
R02	01 06683	68kΩ		3 A
R03	01 06105	1MΩ		3 A
R04	01 06105	1MΩ		3 A
R05	01 06224	220kΩ		3 A
R06	01 06224	220kΩ		3 A
R07	01 06223	22kΩ		3 A
R08	01 06223	22kΩ		3 A
R09	01 06103	10kΩ		3 A
R10	01 06103	10kΩ		3 A
R11	01 06472	4.7kΩ		3 A
R12	01 06472	4.7kΩ		3 A
R13	01 06472	4.7kΩ		3 A
R14	01 06472	4.7kΩ		3 A
R15	01 06333	33kΩ		3 A
R16	01 06333	33kΩ		3 A
R17	01 10685	6.8MΩ	±10% ¼W S.R.	3 A
R18	01 10685	6.8MΩ		3 A
R19	01 06104	100kΩ	± 5 % ¼W C.R. (E.L.R.)	3 B
R20	01 06224	220kΩ		3 B
R21	01 06153	15kΩ		3 A , B
R22	01 06333	33kΩ		3 A , B
R23	01 06123	12kΩ		3 A , B
R24	01 06123	12kΩ		3 A , B
R25	01 06472	4.7kΩ		3 B
R26	01 06472	4.7kΩ		3 B
R27	01 06102	1kΩ		3 B
R28	01 06102	1kΩ		3 B
R29	0107104	100kΩ	± 5 % ¼W C.R.	3 B
R30	0106104	100kΩ	± 5 % ¼W C.R. (E.L.R.)	3 B
R31	0107104	100kΩ	± 5 % ¼W C.R.	3 B
R32	0106104	100kΩ	± 5 % ¼W C.R. (E.L.R.)	3 B
R33	0106564	560kΩ		2 B
R34	0106564	560kΩ		1 B
R35	0106224	220kΩ		2 B
R36	0106224	220kΩ		1 B
R37	0106474	470kΩ		2 B
R38	0106474	470kΩ		1 B
R39	0107334	330kΩ	± 5 % ¼W C.R.	2 A
R40	0106334	330kΩ	± 5 % ¼W C.R. (E.L.R.)	1 A
R41	0106682	6.8kΩ		2 A
R42	0106682	6.8kΩ		2 A
R43	0106183	18kΩ		2 A
R44	0106183	18kΩ		1 A
R45	0106105	1MΩ		2 A
R46	0106105	1MΩ		1 A
R47	0107153	15kΩ	± 5 % ¼W C.R.	2 B
R48	0107473	47kΩ		1 B
R49	0106103	10kΩ	± 5 % ¼W C.R. (E.L.R.)	2 B
R50	0106103	10kΩ		1 B
R51	0106105	1MΩ		2 A
R52	0106105	1MΩ		1 A
R53	0107333	33kΩ	± 5 % ¼W C.R.	2 A
R54	0107333	33kΩ		1 A

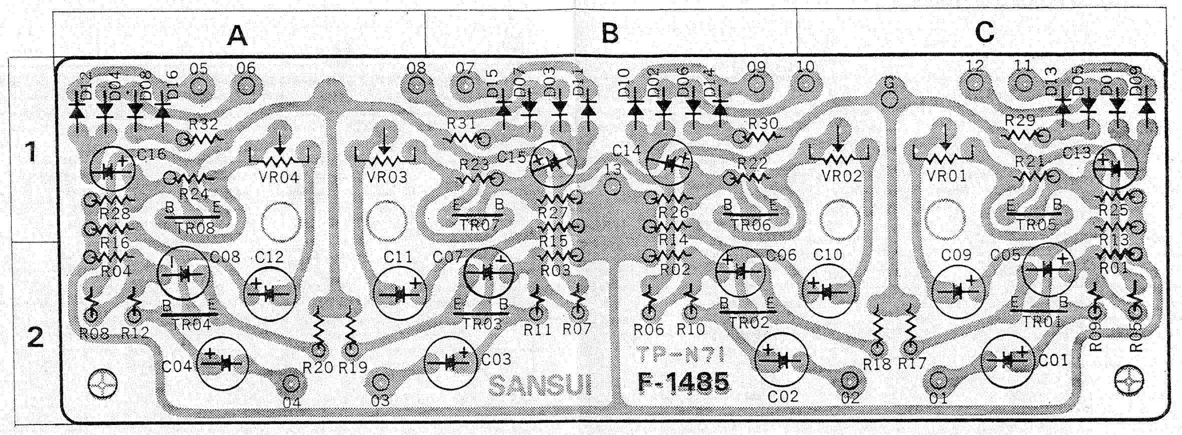
Parts No.	Stock No.	Description		Position
R55	0106153	15kΩ	± 5 % ¼W C.R. (E.L.R.)	2 A
R56	0106153	15kΩ		1 A
R57	0106123	12kΩ		2 A
R58	0106123	12kΩ		1 A
R59	0107153	15kΩ	± 5 % ¼W C.R.	2 B
R60	0107153	15kΩ		1 B
R61	0106151	150Ω	± 5 % ¼W C.R. (E.L.R.)	2 A , B
R62	0107151	150Ω	± 5 % ¼W C.R.	1 A
R63	0107104	100kΩ		2 B
R64	0106104	100kΩ	± 5 % ¼W C.R. (E.L.R.)	1 B
R65	0107184	180kΩ	± 5 % ¼W C.R.	2 B
R66	0106154	150kΩ	± 5 % ¼W C.R. (E.L.R.)	1 B
R67	0107473	47kΩ	± 5 % ¼W C.R.	2 B
R68	0107473	47kΩ		1 A , B
R69	0107472	4.7kΩ		2 B
R70	0106472	4.7kΩ	± 5 % ¼W C.R. (E.L.R.)	1 B
R71	0107222	2.2kΩ	± 5 % ¼W C.R.	2 B
R72	0107272	2.7kΩ		1 A
R73	0107101	100Ω		2 A
R74	0107101	100Ω		1 A
R601	0106105	1MΩ	± 5 % ¼W C.R. (E.L.R.)	3 A
R602	0106472	4.7kΩ		3 B
R603	0106102	1kΩ		3 B
R604	0107224	220kΩ	± 5 % ¼W C.R.	3 B
R605	0106333	33kΩ	± 5 % ¼W C.R. (E.L.R.)	3 B
R606	0106104	100kΩ		2 B
R607	0106104	100kΩ		2 B
R608	0106224	220kΩ		1 B
R609	0107104	100kΩ	± 5 % ¼W C.R.	1 B
R610	0106152	1.5kΩ	± 5 % ¼W C.R. (E.L.R.)	1 B
R611	0107152	1.5kΩ	± 5 % ¼W C.R.	1 B
R612	0106472	4.7kΩ	± 5 % ¼W C.R. (E.L.R.)	1 B
VR01	1031120	20kΩ (B)	Semi-variable Resistor	2 A
VR02	1031120	20kΩ (B)		1 A
VR03	1031120	20kΩ (B)		2 A
VR04	1031120	20kΩ (B)		1 A
VR05	1031180	1MΩ (B)		2 A
VR06	1031180	1MΩ (B)		1 A
VR07	1031140	100kΩ (B)		2 B
VR08	1031140	100kΩ (B)		1 B
	2260010	A4-01775	Test Pin	

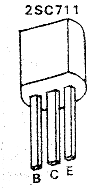
Abbreviations

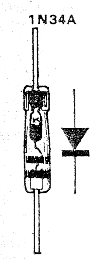
C.R. :	Carbon Resistor	**BP.E.C.**:	Bi-Pola Electrolytic Capacitor
S.R. :	Solid Resistor	**C.C.** :	Ceramic Capacitor
Ce.R. :	Cement Resistor	**Mi.C.** :	Mica Capacitor
M.R. :	Metallized Film Resistor	**O.C.** :	Oil Capacitor
M.C. :	Mylar Capacitor	**P.C.** :	Polystyrene Capacitor
E.C. :	Electrolytic Capacitor	**T.C.** :	Tantalum Capacitor

6-7. F-1485 Meter Circuit Board (Stock No. 7591840 Complete Circuit Board F-1485)

Conductor Side


A
B
C
1
2
D12 D04 D08 D16 05 06 08 07 D15 D07 D03 D11 D10 D02 D06 D14 09 10 G 12 11 D13 D05 D01 D09
R32 R31 R30 R29
C16 VR04 VR03 R23 C15 C14 13 R22 VR02 VR01 R21 C13
R24 R28 B E TR08 E B TR07 R27 R26 B E TR06 E B TR05 R25
R16 R15 R14 R13
R04 C08 C12 C11 C07 R03 R02 C06 C10 C09 C05 R01
R08 R12 B E TR04 E B TR03 R11 R07 R06 R10 B E TR02 E B TR01 R09 R05
C04 R20 R19 C03 TP-N71 F-1485 R18 R17 C01
04 03 SANSUI C02 02 01





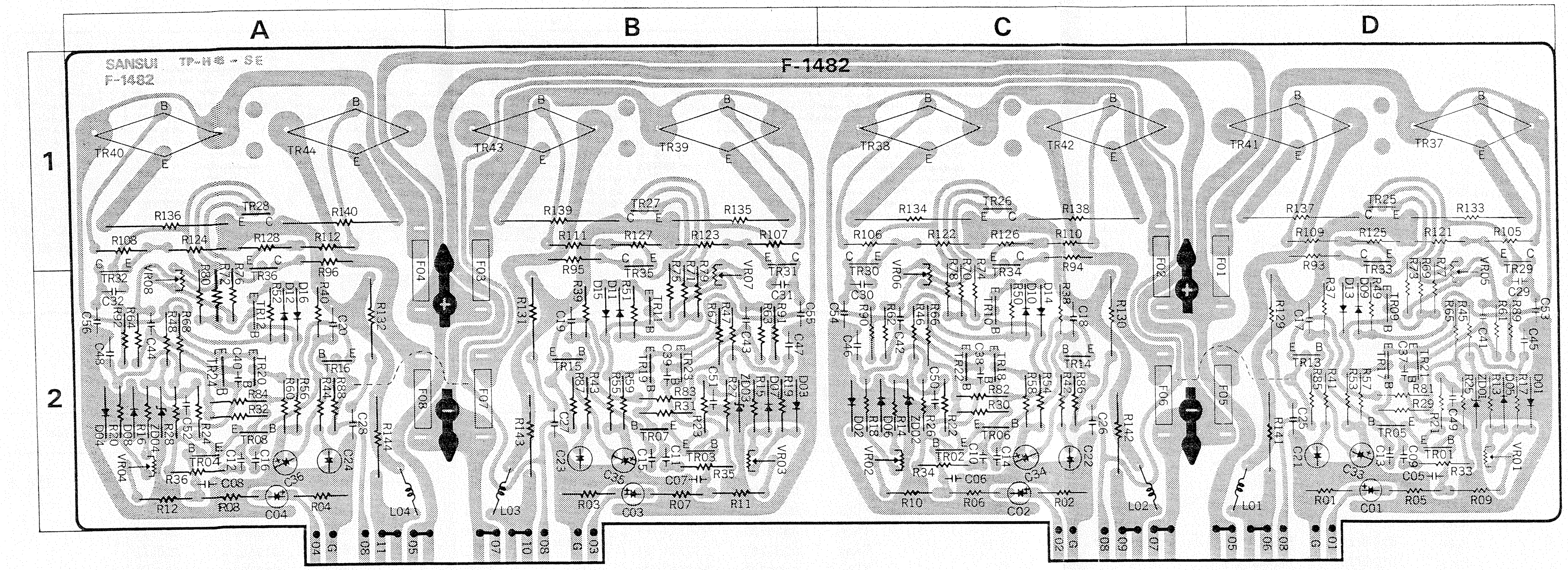
Parts List

Parts No.	Stock No.	Description		Position
TR01	0305732	2SC711 (F)	Transistor	2 C
TR02	0305732	2SC711 (F)		2 B
TR03	0305732	2SC711 (F)		2 B
TR04	0305732	2SC711 (F)		2 A
TR05	0305732	2SC711 (F)		1 C
TR06	0305732	2SC711 (F)		1 B
TR07	0305732	2SC711 (F)		1 B
TR08	0305732	2SC711 (F)		1 A
D01	0310400	1N34A	Diode	1 C
D02	0310400	1N34A		1 B
D03	0310400	1N34A		1 B
D04	0310400	1N34A		1 A
D05	0310400	1N34A		1 C
D06	0310400	1N34A		1 B
D07	0310400	1N34A		1 B
D08	0310400	1N34A		1 A
D09	0310400	1N34A		1 C
D10	0310400	1N34A		1 B
D11	0310400	1N34A		1 B
D12	0310400	1N34A		1 A
D13	0310400	1N34A		1 C
D14	0310400	1N34A		1 B
D15	0310400	1N34A		1 B
D16	0310400	1N34A		1 A
C01	0515109	1μF	50V E.C.	2 C
C02	0515109	1μF		2 B
C03	0515109	1μF		2 B
C04	0515109	1μF		2 A
C05	0515109	1μF		2 C
C06	0515109	1μF		2 B
C07	0515109	1μF		2 B
C08	0515109	1μF		2 A
C09	0515109	1μF		2 C
C10	0515109	1μF		2 C
C11	0515109	1μF		2 A
C12	0515109	1μF		2 A
C13	0519103	0.47μF		1 C
C14	0519103	0.47μF		1 B

Parts No.	Stock No.	Description		Position
C15	0519103	0.47μF	50V E.C.	1 B
C16	0519103	0.47μF		1 A
R01	0106824	820kΩ	± 5 % ¼W C.R. (E.L.R.)	2 C
R02	0106824	820kΩ		2 B
R03	0106824	820kΩ		2 B
R04	0106824	820kΩ		2 A
R05	0106104	100kΩ		2 C
R06	0106104	100kΩ		2 B
R07	0106104	100kΩ		2 B
R08	0106104	100kΩ		2 A
R09	0106474	470kΩ		2 C
R10	0106474	470kΩ		2 B
R11	0106474	470kΩ		2 B
R12	0106474	470kΩ		2 A
R13	0106104	100kΩ		1 C
R14	0106104	100kΩ		1 B
R15	0106104	100kΩ		1 B
R16	0106104	100kΩ		1 A
R17	0106103	10kΩ		2 C
R18	0106103	10kΩ		2 C
R19	0106103	10kΩ		2 A
R20	0106103	10kΩ		2 A
R21	0106105	1MΩ		1 C
R22	0106105	1MΩ		1 B
R23	0106105	1MΩ		1 B
R24	0106105	1MΩ		1 A
R25	0106472	4.7kΩ		1 C
R26	0106472	4.7kΩ		1 B
R27	0106472	4.7kΩ		1 B
R28	0106472	4.7kΩ		1 A
R29	0106822	8.2kΩ		1 C
R30	0106822	8.2kΩ		1 B
R31	0106822	8.2kΩ		1 B
R32	0106822	8.2kΩ		1 A
VR01	1032151	200kΩ (B)	Semi-Variable Resistor	1 C
VR02	1032151	200kΩ (B)		1 C
VR03	1032151	200kΩ (B)		1 A
VR04	1032151	200kΩ (B)		1 A

6-8. F-1482 Driver Circuit Board (Stock No. 7570790Complete Circuit Board F-1482)

Conductor Side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SANSUI TP-H8-SE
F-1482
F-1482
TR40
TR44
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TR39
TR38
TR42
TR41
TR37
B
E
R136
TR28
R140
R139
TR27
R135
R134
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R138
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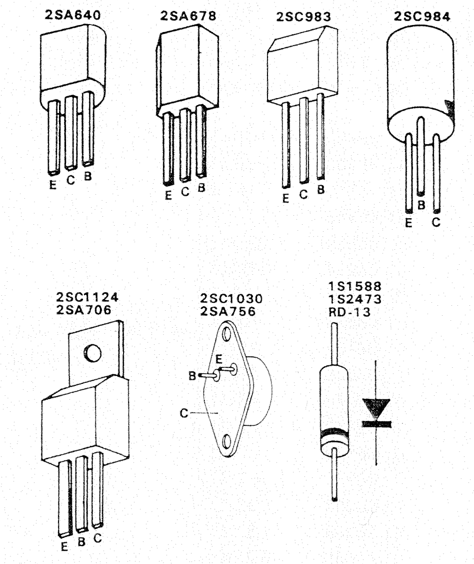
G
01


2SA640
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E C B
E C B
B
E C
2SC1124
2SA706
2SC1030
2SA756
1S1588
1S2473
RD-13
B
E
C
E B C

Parts List

Parts No.	Stock No.	Description		Position
TR01	0300302, 4	2SA640 (L1, L3)	Transistor	2 D
TR02	0300302, 4	2SA640 (L1, L3)		2 C
TR03	0300302, 4	2SA640 (L1, L3)		2 B
TR04	0300302, 4	2SA640 (L1, L3)		2 A
TR05	0300302, 4	2SA640 (L1, L3)		2 D
TR06	0300302, 4	2SA640 (L1, L3)		2 C
TR07	0300302, 4	2SA640 (L1, L3)		2 B
TR08	0300302, 4	2SA640 (L1, L3)		2 A
TR09	0300291, 2	2SA678 (6, 7)		2 D
TR10	0300291, 2	2SA678 (6, 7)		2 C
TR11	0300291, 2	2SA678 (6, 7)		2 B
TR12	0300291, 2	2SA678 (6, 7)		2 A
TR13	0300291, 2	2SA678 (6, 7)		2 D
TR14	0300291, 2	2SA678 (6, 7)		2 C
TR15	0300291, 2	2SA678 (6, 7)		2 B
TR16	0300291, 2	2SA678 (6, 7)		2 A
TR17	0306020, 1	2SC983 (R, 0)		2 D
TR18	0306020, 1	2SC983 (R, 0)		2 C
TR19	0306020, 1	2SC983 (R, 0)		2 B
TR20	0306020, 1	2SC983 (R, 0)		2 A
TR21	0306020, 1	2SC983 (R, 0)		2 D
TR22	0306020, 1	2SC983 (R, 0)		2 C
TR23	0306020, 1	2SC983 (R, 0)		2 B
TR24	0306020, 1	2SC983 (R, 0)		2 A
TR25	0305872	2SC984 (C)		1 D
TR26	0305872	2SC984 (C)		1 C
TR27	0305872	2SC984 (C)		1 B
TR28	0305872	2SC984 (C)		1 A
TR29	0305901	2SC1124 (2)		1, 2 D
TR30	0305901	2SC1124 (2)		1, 2 C
TR31	0305901	2SC1124 (2)	Transistor	1, 2 B
TR32	0305901	2SC1124 (2)		1, 2 A
TR33	0300401	2SA706 (2)		1, 2 D
TR34	0300401	2SA706 (2)		1, 2 C
TR35	0300401	2SA706 (2)		1, 2 B
TR36	0300401	2SA706 (2)		1, 2 A
TR37	0305631	2SC1030 (B)		1 D
TR38	3103056	2SC1030 (B)		1 C
TR39	0305631	2SC1030 (B)		1 B
TR40	0305631	2SC1030 (B)		1 A
TR41	0300551	2SA756 (B)		1 D
TR42	0300551	2SA756 (B)		1 C
TR43	0300551	2SA756 (B)		1 B
TR44	0300551	2SA756 (B)		1 A
D01	0311060 or 0311080	1S2473 or 1S1588	Diode	2 D
D02	0311060 or 0311080	1S2473 or 1S1588		2 C
D03	0311060 or 0311080	1S2473 or 1S1588		2 B
D04	0311060 or 0311080	1S2473 or 1S1588		2 A
D05	0311060 or 0311080	1S2473 or 1S1588		2 D
D06	0311060 or 0311080	1S2473 or 1S1588		2 C
D07	0311060 or 0311080	1S2473 or 1S1588	Diode	2 B
D08	0311060 or 0311080	1S2473 or 1S1588		2 A
D09	0311060 or 0311080	1S2473 or 1S1588		2 D
D10	0311060 or 0311080	1S2473 or 1S1588		2 C
D11	0311060 or 0311080	1S2473 or 1S1588		2 B
D12	0311060 or 0311080	1S2473 or 1S1588		2 A
D13	0311060 or 0311080	1S2473 or 1S1588		2 D
D14	0311060 or 0311080	1S2473 or 1S1588		2 C
D15	0311060 or 0311080	1S2473 or 1S1588		2 B
D16	0311060 or 0311080	1S2473 or 1S1588		2 A
ZD01	0315300	RD-13 (M)	Zener Diode	2 D
ZD02	0315300	RD-13 (M)		2 C
ZD03	0315300	RD-13 (M)		2 B
ZD04	0315300	RD-13 (M)		2 A
L01	4290210	2R5K 2.5µH ±10%	Filter Coil	2 D
L02	4290210	2R5K 2.5µH ±10%		2 C
L03	4290210	2R5K 2.5µH ±10%		2 B
L04	4290210	2R5K 2.5µH ±10%		2 A
C01	0519102	3.3µF	±10% 50V E.C.	2 D
C02	0519102	3.3µF		2 C
C03	0519102	3.3µF		2 B
C04	0519102	3.3µF		2 A
C05	0660680	68pF	±10% 50V C.C.	2 D
C06	0660680	68pF		2 C
C07	0660680	68pF		2 B
C08	0660680	68pF		2 A
C09	0600106	0.001µF	± 5 % 50V M.C.	2 D
C10	0600106	0.001µF		2 C
C11	0600106	0.001µF		2 B
C12	0600106	0.001µF		2 A
C13	0660330	33pF	±10% 50V C.C.	2 D
C14	0660330	33pF		2 C
C15	0660330	33pF		2 B
C16	0660330	33pF		2 A
C17	0660150	15pF		2 D
C18	0660150	15pF		2 C

Abbreviations

C.R.	Carbon Resistor	**BP.E.C.**	Bi-Pola Electrolytic Capacitor
S.R.	Solid Resistor	**C.C.**	Ceramic Capacitor
Ce.R.	Cement Resistor	**Mi.C.**	Mica Capacitor
M.R.	Metallized Film Resistor	**O.C.**	Oil Capacitor
M.C.	Mylar Capacitor	**P.C.**	Polystyrene Capacitor
E.C.	Electrolytic Capacitor	**T.C.**	Tantalum Capacitor

Parts No.	Stock No.	Description		Position
C19	0660150	15pF	±10% 50V E.C.	2B
C20	0660150	15pF		2A
C21	0531101	100µF	10V BP.E.C.	2D
C22	0531101	100µF		2C
C23	0531101	100µF		2B
C24	0531101	100µF		2A
C25	0600107	0.1µF	±5% 50V M.C.	2D
C26	0600107	0.1µF		2C
C27	0600107	0.1µF		2B
C28	0600107	0.1µF		2A
C29	0660470	470pF	±10% 50V C.C.	2D
C30	0660470	470pF		2C
C31	0660470	470pF		2B
C32	0660470	470pF		2A
C33	0515330	33µF	50V E.C.	2D
C34	0515330	33µF		2C
C35	0515330	33µF		2B
C36	0515330	33µF		2A
C37	0660220	22pF	±10% 50V C.C.	2D
C38	0660220	22pF		2C
C39	0660220	22pF		2B
C40	0660220	22pF		2A
C41	0657222	0.0022µF		2D
C42	0657222	0.0022µF		2C
C43	0657222	0.0022µF		2B
C44	0657222	0.0022µF		2A
C45	0657473	0.047µF		2D
C46	0657473	0.047µF		2C
C47	0657473	0.047µF		2B
C48	0657473	0.047µF		2A
C49	0657473	0.047µF		2D
C50	0657473	0.047µF		2C
C51	0657473	0.047µF		2B
C52	0657473	0.047µF		2A
C53	0657473	0.047µF		2D
C54	0657473	0.047µF		2C
C55	0657473	0.047µF		2B
C56	0657473	0.047µF		2A
R01	0107154	150kΩ	±5% ¼W C.R.	2D
R02	0107154	150kΩ		2C
R03	0107154	150kΩ		2B
R04	0107154	150kΩ		2A
R05	0107103	10kΩ		2D
R06	0107103	10kΩ		2C
R07	0107103	10kΩ		2B
R08	0107103	10kΩ		2A
R09	0107104	100kΩ		2D
R10	0107104	100kΩ		2C
R11	0107104	100kΩ		2B
R12	0107104	100kΩ		2A
R13	0107822	8.2kΩ		2D
R14	0107822	8.2kΩ		2C
R15	0107822	8.2kΩ		2B
R16	0107822	8.2kΩ		2A
R17	0107473	47kΩ		2D
R18	0107473	47kΩ		2C
R19	0107473	47kΩ		2B
R20	0107473	47kΩ		2A
R21	0107103	10kΩ		2D
R22	0107103	10kΩ		2C
R23	0107103	10kΩ		2B

Parts No.	Stock No.	Description		Position
R24	0107103	10kΩ	±5% ¼W C.R.	2A
R25	0107682	6.8kΩ		2D
R26	0107682	6.8kΩ		2C
R27	0107682	6.8kΩ		2B
R28	0107682	6.8kΩ		2A
R29	0107682	6.8kΩ		2D
R30	0107682	6.8kΩ		2C
R31	0107682	6.8kΩ		2B
R32	0107682	6.8kΩ		2A
R33	0107221	220Ω		2D
R34	0107221	220Ω		2C
R35	0107221	220Ω		2B
R36	0107221	220Ω		2A
R37	0107683	68kΩ		2D
R38	0107683	68kΩ		2C
R39	0107683	68kΩ		2B
R40	0107683	68kΩ		2A
R41	0107392	3.9kΩ		2D
R42	0107392	3.9kΩ		2C
R43	0107392	3.9kΩ		2B
R44	0107392	3.9kΩ		2A
R45	0107822	8.2kΩ		2D
R46	0107822	8.2kΩ		2C
R47	0107822	8.2kΩ		2B
R48	0107822	8.2kΩ		2A
R49	0107471	470Ω		2D
R50	0107471	470Ω		2C
R51	0107471	470Ω		2B
R52	0107471	470Ω		2A
R53	0107473	47kΩ		2D
R54	0107473	47kΩ		2C
R55	0107473	47kΩ		2B
R56	0107473	47kΩ		2A
R57	0107101	100Ω		2D
R58	0107101	100Ω		2C
R59	0107101	100Ω		2B
R60	0107101	100Ω		2A
R61	0107101	100Ω		2D
R62	0107101	100Ω		2C
R63	0107101	100Ω		2B
R64	0107101	100Ω		2A
R65	0103471	470Ω	±5% ½W C.R.	2D
R66	0103471	470Ω		2C
R67	0103471	470Ω		2B
R68	0103471	470Ω		2A
R69	0107562	5.6kΩ	±5% ¼W C.R.	2D
R70	0107562	5.6kΩ		2C
R71	0107562	5.6kΩ		2B
R72	0107562	5.6kΩ		2A
R73	0107152	1.5kΩ		2D
R74	0107152	1.5kΩ		2C
R75	0107152	1.5kΩ		2B
R76	0107152	1.5kΩ		2A
R77	0107330	33Ω		2D
R78	0107330	33Ω		2C
R79	0107330	33Ω		2B
R80	0107330	33Ω		2A
R81	0107689	6.8Ω		2D
R82	0107689	6.8Ω		2C
R83	0107689	6.8Ω		2B
R84	0107689	6.8Ω		2A
R85	0107472	4.7kΩ		2D

to be continued

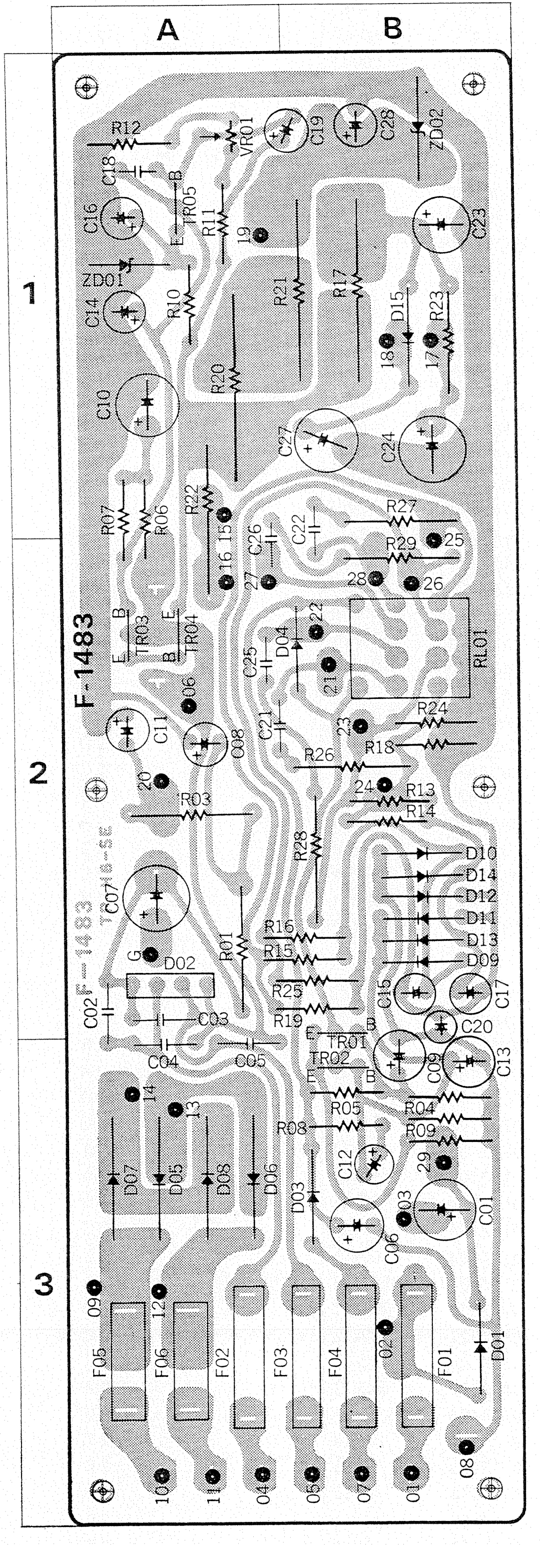
F-1482 Parts List

Parts No.	Stock No.	Description		Position
R86	0107472	4.7kΩ	±5% ¼W C.R.	2C
R87	0107472	4.7kΩ		2B
R88	0107472	4.7kΩ		2A
R89	0107100	10Ω		2D
R90	0107100	10Ω		2C
R91	0107100	10Ω		2B
R92	0107100	10Ω		2A
R93	0107100	10Ω		1D
R94	0107100	10Ω		1C
R95	0107100	10Ω		1B
R96	0107100	10Ω		1A
R105	0107689	6.8Ω		1D
R106	0107689	6.8Ω		1C
R107	0107689	6.8Ω		1B
R108	0107689	6.8Ω		1A
R109	0107689	6.8Ω		1D
R110	0107689	6.8Ω		1C
R111	0107689	6.8Ω		1B
R112	0107689	6.8Ω		1A
R121	0107221	220Ω		1D
R122	0107221	220Ω		1C
R123	0107221	220Ω		1B
R124	0107221	220Ω		1A
R125	0107221	220Ω		1D
R126	0107221	220Ω		1C
R127	0107221	220Ω		1B
R128	0107221	220Ω		1A
R129	0132479	4.7Ω	2W Ce.R.	2D
R130	0132479	4.7Ω		2C
R131	0132479	4.7Ω		2B
R132	0132479	4.7Ω		2A
R133	0133478	0.47Ω	3W Ce.R.	1D
R134	0133478	0.47Ω		1C
R135	0133478	0.47Ω		1B
R136	0133478	0.47Ω		1A
R137	0133478	0.47Ω		1D
R138	0133478	0.47Ω		1C
R139	0133478	0.47Ω		1B
R140	0133478	0.47Ω		1A
R141	0132479	4.7Ω	2W Ce.R.	2D
R142	0132479	4.7Ω		2C
R143	0132479	4.7Ω		2B
R144	0132479	4.7Ω		2A
VR01	1035110	4.7kΩ (B)	Solid Volume	2D
VR02	1035110	4.7kΩ (B)		2C
VR03	1035110	4.7kΩ (B)		2B
VR04	1035110	4.7kΩ (B)		2A
VR05	1035070	1kΩ (B)		2D
VR06	1035070	1kΩ (B)		2C
VR07	1035070	1kΩ (B)		2B
VR08	1035070	1kΩ (B)		2A
F01	0433680	3.5A Quick-acting Fuse		1, 2D
F02	0433680	3.5A Quick-acting Fuse		1, 2C
F03	0433680	3.5A Quick-acting Fuse		1, 2B
F04	0433680	3.5A Quick-acting Fuse		1, 2A
F05	0433680	3.5A Quick-acting Fuse		2D
F06	0433680	3.5A Quick-acting Fuse		2C
F07	0433680	3.5A Quick-acting Fuse		2B
F08	0433680	3.5A Quick-acting Fuse		2A
	2310150	Fuse Holder		

6-9. F-1483 Protector & Power Circuit Board

(Stock No. 7500870 Complete Circuit Board F-1483)

Conductor Side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ZD01
C14
R10
R21
R17
D15
R23
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R20
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RL01
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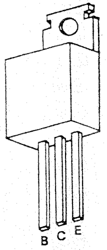

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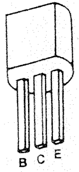

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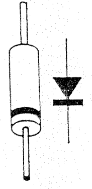

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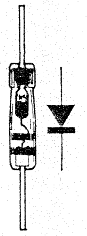

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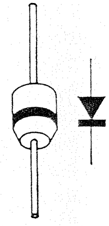

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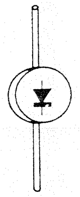

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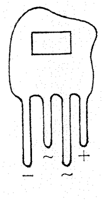
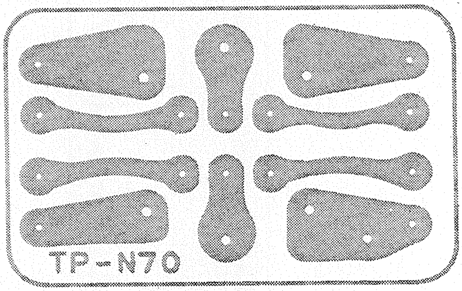


Parts No.	Stock No.	Description	Position
TR01	0305891, 2	2SC634A (6, 7) Transistor	2, 3 B
TR02	0305891, 2	2SC634A (6, 7)	3 B
TR03	0305930, 1	2SC1211 (C, D)	2 A
TR04	0308392, 3	2SD313 (E, F)	2 A
TR05	0306070, 1 or 0306132, 3	2SC1313Ⓡ (F, G) or 2SC1364 (7, 8)	1 A
D01	0310340	10D-1 Diode	3 B
D02	0311070	2B2DM	2 A
D03	0310340	10D-1	3 B
D04	0310340	10D-1	2 B
D05	0311240	SR3-AM-4	3 A
D06	0311240	SR3-AM-4	3 A
D07	0311240	SR3-AM-4	3 A
D08	0311240	SR3-AM-4	3 A
D09	0310400	1N34A	2 B
D10	0310400	1N34A	2 B
D11	0310400	1N34A	2 B
D12	0310400	1N34A	2 B
D13	0310400	1N34A	2 B
D14	0310400	1N34A	2 B
D15	0310340	10D-1	1 B
ZD01	0316300	RD-12E (C) Zener Diode	1 A
ZD02	0315090	ZB-1-13	1 B
RL01	1150101	MY4-0-US-SA Relay	2 B
C01	0511102	1000µF 10V E.C.	3 B
C02	0659011	0.01µF 500V C.C.	2, 3 A
C03	0659011	0.01µF	2 A
C04	0659011	0.01µF	3 A
C05	0659011	0.01µF	3 A
C06	0515330	33µF 50V E.C.	3 B
C07	0519302	220µF 80V	2 A
C08	0515101	100µF 50V	2 A
C09	0510471	470µF 6.3V	2, 3 B
C10	0519301	100µF 80V	1 A
C11	0515470	47µF 50V E.C.	2 A
C12	0519103	0.47µF	3 B
C13	0515109	1µF	3 B
C14	0515100	10µF	1 A
C15	0530470	47µF 6.3V E.C.	2 B
C16	0512101	100µF 16V	1 A
C17	0530470	47µF 6.3V	2 B
C18	0660221	220pF 50V C.C.	1 A
C19	0515100	10µF 50V E.C.	1 A, B
C20	0535109	1µF	2, 3 B
C23	0515101	100µF	1 B
C24	0513331	330µF 25V E.C.	1 B
C27	0513331	330µF	1 B
C28	0512221	220µF 16V E.C.	1 B
R01	0182681	680Ω ± 5 % 2 W Ce.R.	2 A
R02	0107479	4.7Ω ± 5 % ¼W C.R.	
R04	0107562	5.6kΩ ± 5 % ¼W C.R.	3 B
R05	0107823	82kΩ	3 B
R06	0107562	5.6kΩ	1, 2 A
R07	0107332	3.3kΩ	1, 2 A
R08	0107394	390kΩ	3 B
R09	0107474	470kΩ	3 B
R10	0107562	5.6kΩ ± 5 % ¼W C.R.	1 A
R11	0107223	22kΩ	1 A
R12	0107822	8.2kΩ	1 A
R13	0107473	47kΩ	2 B
R14	0107473	47kΩ	2 B
R15	0107473	47kΩ	2 A, B
R16	0107473	47kΩ	2 A, B
R17	0182331	300Ω ±10% 2W Ce.R.	1 B
R18	0107332	3.3kΩ ± 5 % ¼W C.R.	2 B
R19	0107332	3.3kΩ	2 A, B
R22	0132101	100Ω ±10% 2 W Ce.R.	1, 2 A
R23	0104220	22Ω ± 5 % 1 W C.R.	1 B
R24	0107332	3.3kΩ ± 5 % ¼W	2 B
R25	0107332	3.3kΩ ± 5 % ¼W	2 A, B
VR01	1035090	2.2kΩ(B) Solid Volume	1 A
F01	0432900, 1	5A Wired-in Fuse	3 B
F02	0432850, 1	2A Wired-in Fuse	3 A
F03	0432850, 1	2A Wired-in Fuse	3 B
F04	0432830, 1	1A Wired-in Fuse	3 B
	2250020	Fasten Tab	

6-10. F-1490 De-emphasis Circuit Board

(Stock No. 7591880 Complete Circuit Board F-1490)

Conductor Side



Parts List

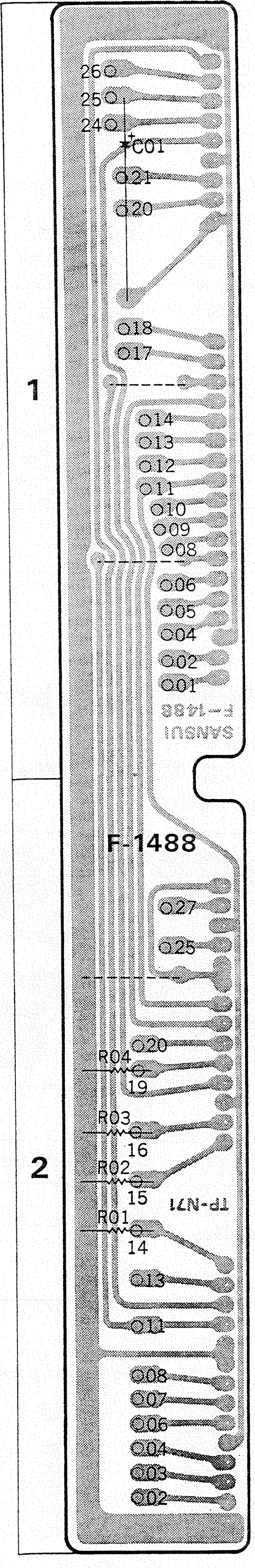
Parts No.	Stock No.	Description
C01	0600826	0.0082µF ± 5 % 50V M.C.
C02	0600826	0.0082µF
S01, 02	1110240	Slide Switch

Abbreviations

C.R. : Carbon Resistor
S.R. : Solid Resistor
Ce.R. : Cement Resistor
M.R. : Metallized Film Resistor
M.C. : Mylar Capacitor
E.C. : Electrolytic Capacitor
BP.E.C.: Bi-Pola Electrolytic Capacitor
C.C. : Ceramic Capacitor
Mi.C. : Mica Capacitor
O.C. : Oil Capacitor
P.C. : Polystyrene Capacitor
T.C. : Tantalum Capacitor

6-11. F-1488 Connector Joint Circuit Board (Stock No. 7591860 Complete Circuit Board F-1488)

Conductor Side

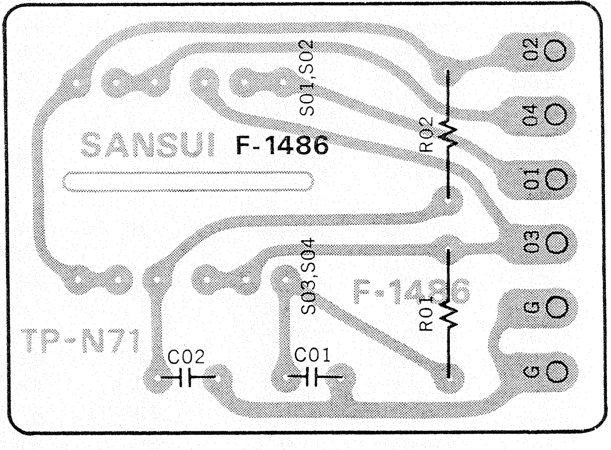

26
25
24
C01
21
20
18
17
14
13
12
11
10
09
08
06
05
04
02
01
SANSUI F-1488
1
F-1488
27
25
20
R04
19
R03
16
R02
15
R01
14
TP-N71
13
11
08
07
06
04
03
02
2

Parts List

Parts No.	Stock No.	Description	Position
C01	0504221	220μF 35V E.C.	1
R01	0107474	470kΩ ± 5 % 1/4W C.R.	2
R02	0107474	470kΩ ± 5 % 1/4W C.R.	2
R03	0107474	470kΩ ± 5 % 1/4W C.R.	2
R04	0107474	470kΩ ± 5 % 1/4W C.R.	2
	2420150	10P Connector	
	2420160	14P Connector	
	2420170	18P Connector	

6-12. F-1486 Filter Circuit Board (Stock No. 7591830 Complete Circuit Board F-1486)

Conductor Side

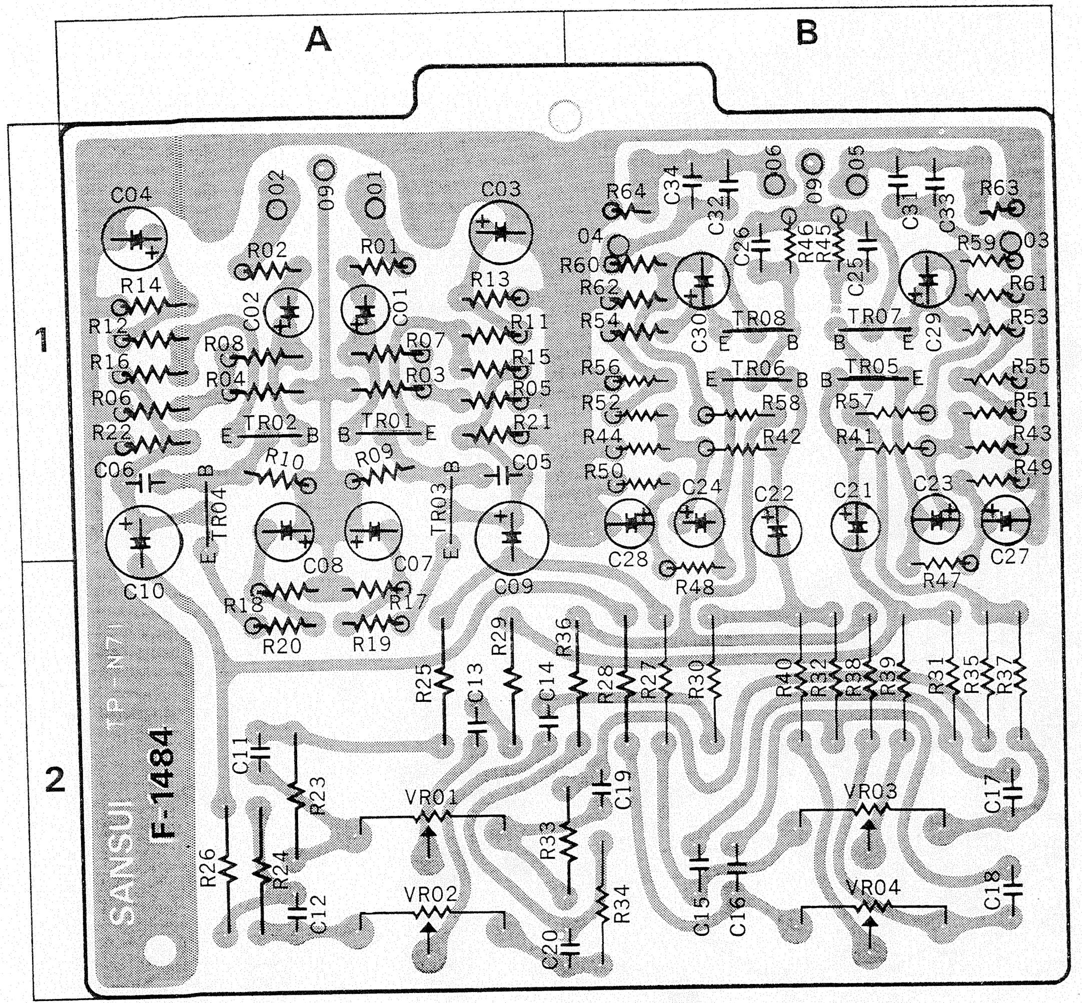

S01,S02
SANSUI F-1486
R02
02
04
01
03
G
G
S03,S04
F-1486
R01
TP-N71
C02
C01

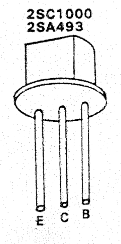
Parts List

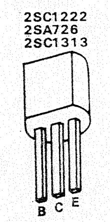
Parts No.	Stock No.	Description
C01	0600187	0.018μF ± 5 % 50V M.C.
C02	0600187	0.018μF ± 5 % 50V M.C.
R01	0107824	820kΩ ± 5 % 1/4W C.R.
R02	0107824	820kΩ ± 5 % 1/4W C.R.
S01~04	1130760	Push Switch

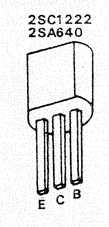
6-13. F-1484 Tone Control Circuit Board (Stock No. 7560740 Complete Circuit Board F-1484)

Conductor Side


A
B
1
2
SANSUI
TP-N71
F-1484
C01
C02
C03
C04
C05
C06
C07
C08
C09
C10
C11
C12
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
R01
R02
R03
R04
R05
R06
R07
R08
R09
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R44
R45
R46
R47
R48
R49
R50
R51
R52
R53
R54
R55
R56
R57
R58
R59
R60
R61
R62
R63
R64
TR01
TR02
TR03
TR04
TR05
TR06
TR07
TR08
VR01
VR02
VR03
VR04
E
B
001
002
003
04
005
006
09O
06O


2SC1000
2SA493
E
C
B


2SC1222
2SA726
2SC1313
B
C
E


2SC1222
2SA640
E
C
B

Parts List

Parts No.	Stock No.	Description		Position
TR01	0305880, 1 or 0306071, 2 or 0306011, 2	2SC1000 (GR' BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)	Transistor	1 A
TR02	0305880, 1 or 0336071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)		1 A
TR03	0300450 or 0300410, 1 or 0300302, 3	2SA493 (GR) or 2SA726 Ⓡ (F, G) or 2SA640 (K, L)		1 A
TR04	0300450 or 0300410, 1 or 0300302, 3	2SA493 (GR) or 2SA726 Ⓡ (F, G) or 2SA640 (K, L)		1 A
TR05	0305880 or 0306071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)		1 B

Parts No.	Stock No.	Description		Position
TR06	0305880 or 0306071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)	Transistor	1 B
TR07	0305880 or 0306071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)		1 B
TR08	0305880 or 0306071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)		1 B
TR09	0305880 or 0306071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)		
TR10	0305880 or 0306071, 2 or 0306011, 2	2SC1000 (GR, BL) or 2SC1313 Ⓡ (G, H) or 2SC1222 (E, F)		

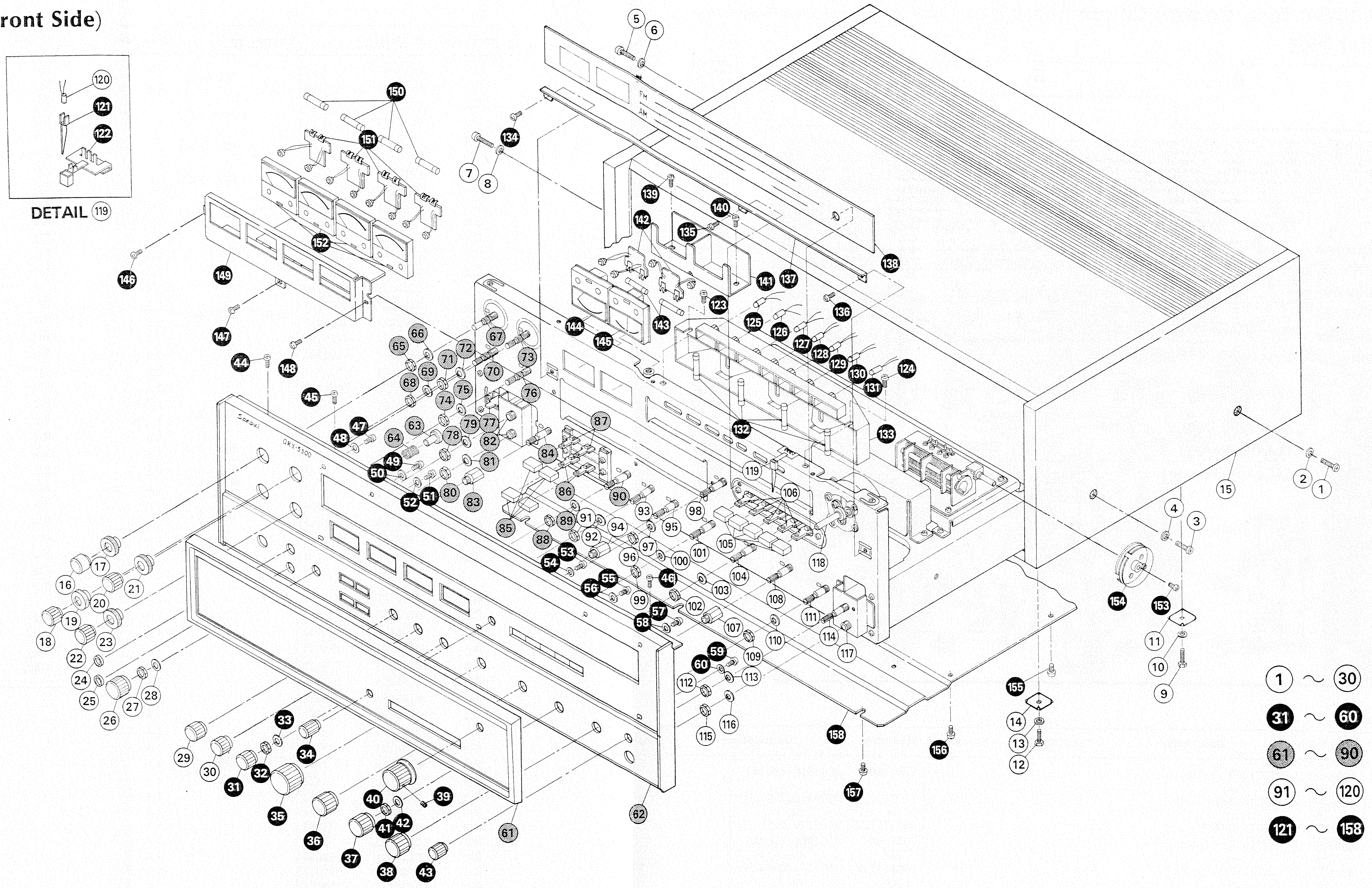
Parts No.	Stock No.	Description		Position
C01	0519101	1µF	50V E.C.	1 A
C02	0519101	1µF		1 A
C03	0512470	47µF	16V E.C.	1 A
C04	0512470	47µF		1 A
C05	0660470	47 pF	50V C.C.	1 A
C06	0660470	47 pF		1 A
C07	0512330	33µF	16V E.C.	1 A
C08	0512330	33µF		1 A
C09	0519102	3.3µF	50V E.C.	1, 2 A
C10	0519102	3.3µF		1, 2 A
C11	0600476	0.0047µF	± 5 % 50V M.C.	2 A
C12	0600476	0.0047µF		2 A
C13	0600826	0.0082µF		2 A
C14	0600826	0.0082µF		2 A
C15	0600227	0.022µF		2 B
C16	0600227	0.022µF		2 B
C17	0600227	0.022µF		2 B
C18	0600227	0.022µF		2 B
C19	0600476	0.0047µF		2 B
C20	0600476	0.0047µF		2 A
C21	0519101	1µF	50V E.C.	1, 2 B
C22	0519101	1µF		1, 2 B
C23	0512100	10µF	16V E.C.	1 B
C24	0512100	10µF		1 B
C25	0660470	47 pF	50V C.C.	1 B
C26	0660470	47 pF		1 B
C27	0512100	10µF	16V E.C.	1 B
C28	0512100	10µF		1 B
C29	0519101	1µF	50V E.C.	1 B
C30	0519101	1µF		1 B
R01	0106102	1kΩ	± 5 % ¼W C.R. (E.L.R.)	1 A
R02	0106102	1kΩ		1 A
R03	0106474	470kΩ		1 A
R04	0106474	470kΩ		1 A
R05	0106274	270kΩ		1 A
R06	0106274	270kΩ		1 A
R07	0106394	390kΩ		1 A
R08	0106394	390kΩ		1 A
R09	0106183	18kΩ		1 A
R10	0106183	18kΩ		1 A
R11	0106102	1kΩ		1 A
R12	0106102	1kΩ		1 A
R13	0106123	12kΩ		1 A
R14	0106123	12kΩ		1 A
R15	0106123	12kΩ		1 A
R16	0106123	12kΩ		1 A
R17	0106821	820Ω		2 A
R18	0106821	820Ω		2 A
R19	0106221	220Ω		2 A
R20	0106221	220Ω		2 A
R21	0106682	6.8kΩ		1 A
R22	0106682	6.8kΩ		1 A
R23	0107224	220kΩ	± 5 % ¼W C.R.	2 A
R24	0107224	220kΩ		2 A
R25	0107222	2.2kΩ		2 A
R26	0107222	2.2kΩ		2 A
R27	0107183	18kΩ		2 B
R28	0107183	18kΩ		2 B
R29	0107222	2.2kΩ		2 A
R30	0107222	2.2kΩ		2 B
R31	0107472	4.7kΩ		2 B
R32	0107472	4.7kΩ		2 B

Parts No.	Stock No.	Description		Position
R33	0107224	220kΩ	± 5 % ¼W C.R.	2 A
R34	0107224	220kΩ		2 B
R35	0107222	2.2kΩ		2 B
R36	0107222	2.2kΩ		2 A, B
R37	0107183	18kΩ		2 B
R38	0107183	18kΩ		2 B
R39	0107472	4.7kΩ		2 B
R40	0107472	4.7kΩ		2 B
R41	0106683	68kΩ	± 5 % ¼W C.R. (E.L.R.)	1 B
R42	0106683	68kΩ		1 B
R43	0106394	390kΩ		1 B
R44	0106394	390kΩ		1 B
R45	0106563	56kΩ		1 B
R46	0106563	56kΩ		1 B
R47	0106561	560Ω		2 B
R48	0106561	560Ω		2 B
R49	0106562	5.6kΩ		1 B
R50	0106562	5.6kΩ		1 B
R51	0106154	150kΩ		1 B
R52	0106154	150kΩ		1 B
R53	0106682	6.8kΩ		1 B
R54	0106682	6.8kΩ		1 B
R55	0106821	820Ω		1 B
R56	0106821	820Ω		1 B
R57	0106220	22Ω		1 B
R58	0106220	22Ω		1 B
R59	0106332	3.3kΩ		1 B
R60	0106332	3.3kΩ		1 B
R61	0106563	56kΩ		1 B
R62	0106563	56kΩ		1 B
R63	0106104	100kΩ		1 B
R64	0106104	100kΩ		1 B
VR01	1020250, 1	100kΩ (W)×2	Variable Resistor	2 A
VR02	1020250, 1	100kΩ (W)×2		2 A
VR03	1020240, 1	100kΩ (B)×2		2 B
VR04	1020240, 1	100kΩ (B)×2		2 B

Abbreviations

C.R. : Carbon Resistor
S.R. : Solid Resistor
Ce.R. : Cement Resistor
M.R. : Metallized Film Resistor
M.C. : Mylar Capacitor
E.C. : Electrolytic Capacitor
BP.E.C.: Bi-Pola Electrolytic Capacitor
C.C. : Ceramic Capacitor
Mi.C. : Mica Capacitor
O.C. : Oil Capacitor
P.C. : Polystyrene Capacitor
T.C. : Tantalum Capacitor

6-14. Other Parts (Front Side)

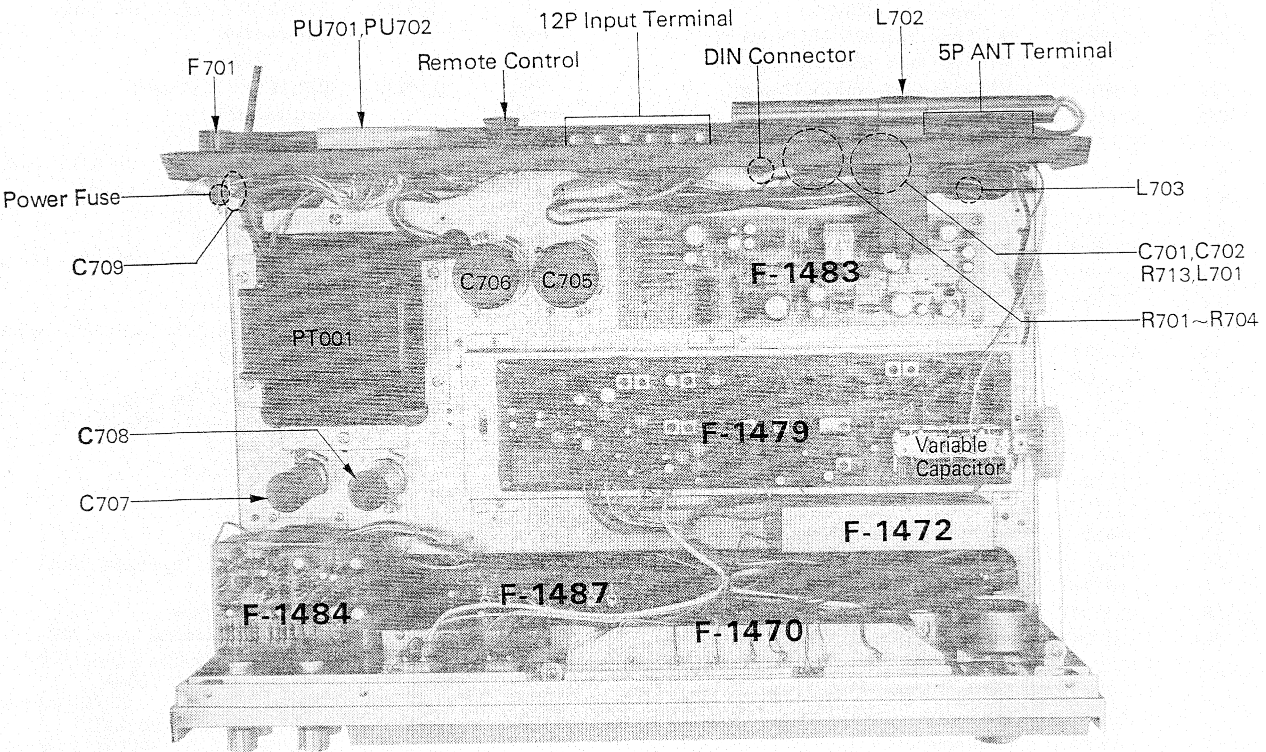


Parts List

Parts No.	Stock No.	Description
1	5100173	Binding Head Screw, M4 × 25
2	5186110	Plain Washer, 4φ
3	5100173	Binding Head Screw, M4 × 25
4	5186110	Plain Washer, 4φ
5	5100173	Binding Head Screw, M4 × 25
6	5186110	Plain Washer, 4φ
7	5100173	Binding Head Screw, M4 × 25
8	5186110	Plain Washer, 4φ
9	5104571	Hexagon Head Bolts, M4 × 23
10	5121260	Spring Washer, 4φ
11	5186091	Nail Washer
12	5104571	Hexagon Head Bolts, M4 × 23
13	5121260	Spring Washer, 4φ
14	5186091	Nail Washer
15	5726820	Wood Case
16	5317671	WO-1 Type Knob, BASS volume
17	5317682	WI-1 Type Knob, BASS volume
18	5317671	WO-1 Type Knob, BASS volume
19	5317682	WI-1 Type Knob, BASS volume
20	5317671	WO-1 Type Knob, TREBLE volume
21	5317682	WI-1 Type Knob, TREBLE volume
22	5317671	WO-1 Type Knob, TREBLE volume
23	5317682	WI-1 Type Knob, TREBLE volume
24	5176052	Jack Nut
25	5176052	Jack Nut
26	5317642	M-2 Type Knob, SPEAKER switch
27		Hex. Nut, M9
28		Plain Washel, 9φ
29	5317652	S-2 Type Knob, BALANCE volume
30	5317652	S-2 Type Knob, BALANCE volume
31	5317652	S-2 Type Knob, BALANCE volume
32		Hex. Nut, M9

Parts No.	Stock No.	Description
33		Plain Washer, 9φ
34	5317811	P-5 Type Knob, LEVEL SET volume
35	5317632	L-2 Type Knob, VOLUME
36	5317642	M-2 Type Knob, FUNCTION switch
37	5317642	M-2 Type Knob, DIRECTION switch
38	5317642	M-2 Type Knob, SELECTOR switch
39	5106061	Hex. Socket Setscrew, M4×6
40	5317780	N-5 Type Knob, TUNING
41		Hex. Nut, M9
42		Plain Washer, 9φ
43	5317811	P-5 Type Knob, MIC. MIXING LEVEL volume
44	5101043	Binding Head Screw, M3×6
45	5101043	Binding Head Screw, M3×6
46	5101043	Binding Head Screw, M3×6
47	5101042	Binding Head Screw, M3×5
48	5120141	Plain Washer, 3φ
49	5101042	Binding Head Screw, M3×5
50	5120141	Plain Washer, 3φ
51	5101042	Binding Head Screw, M3×5
52	5120141	Plain Washer, 3φ
53	5101042	Binding Head Screw, M3×5
54	5120141	Plain Washer, 3φ
55	5101042	Binding Head Screw, M3×5
56	5120141	Plain Washer, 3φ
57	5101042	Binding Head Screw, M3×5
58	5120141	Plain Washer, 3φ
59	5101042	Binding Head Screw, M3×5
60	5120141	Plain Washer, 3φ
61	5308891 5047680	Smoked Plate Frame Smoked Plate
62	7006902	Front Panel
63	7106083	Push Button, POWER switch
64	6906031	Spring, POWER switch
65		Hex. Nut, M11
66		Plain Washer, 11φ
67	1020240, 1	100kΩ (B)×2 BASS Volume
68		Hex. Nut, M11
69		Plain Washer, 11φ
70	1020240, 1	100kΩ (B)×2 BASS Volume
71		Hex. Nut, M11
72		Plain Washer, 11φ
73	1020250, 1	100kΩ (W)×2 TREBLE Volume
74		Hex. Nut, M11
75		Plain Washer, 11φ
76	1020250, 1	100kΩ (W)×2 TREBLE Volume
77	1130290	Push Switch, POWER switch
78		Hex. Nut, M9
79		Plain Washer, 9φ
80		Hex. Nut, M9
81		Plain Washer, 9φ
82	2430200	Headphone Jack
83	5236491	Spacer Nut, M9
84	1102500, 1	Rotary Switch Y-224, 244, SPEAKER switch
85	5326380	Push Button, LOW & HIGH FILTER switch
86	1130760	Push Switch (2 Stage)
87	1130760	Push Switch (2 Stage)
88		Hex. Nut, M8
89		Plain Washer, 8φ
90	1010400, 1	250kΩ (HB) BALANCE Volume
91		Hex. Nut, M8
92		Plain Washer, 8φ
93	1060250, 1	250kΩ (HB)×4 BALANCE Volume
94	5236461	Spacer Nut, M8
95	1010400, 1	250 (HB) BALANCE Volume
96		Hex. Nut, M8
97		Plain Washer, 8φ
98	1060260, 1	250kΩ (B)×4 LEVEL SET Volume
99		Hex. Nut, M9
100		Plain Washer, 9φ
101	1060240, 1	250kΩ (B)×4 VOLUME
102		Hex. Nut, M9
103		Plain Washer, 9φ
104	1106120	Rotary Switch Y-6217, FUNCTION switch
105	5326380	Push Button, accessory switch
106	1130750	Push Switch (5 Stage)
107	5236491	Spacer Nut, M9
108		Rotary Switch Y-244, DIRECTION switch
109		Hex. Nut, M9
110		Plain Washer, 9φ
111	1107020	Rotary Switch Y-7177, SELECTOR switch
112		Hex. Nut, M7
113		Plain Washer, 7φ
114	1060280	250kΩ (B)×2, 50kΩ (B)×2 MIC. MIXING LEVEL Volume
115		Hex. Nut, M12
116		Plain Washer, 12φ
117	2430170	Microphone Jack
118	7036361	Tuning Ass'y
119		Dial Pointer Ass'y
120	0400200	Pilot Lamp, lead type (6.3V 75mA)
121	5416050	Dial Pointer
122	5416300	Holder, dial pointer
123	5109122	Binding Head Tapping Screw, M3×8
124	5109122	Binding Head Tapping Screw, M3×8
125	0400300	Lead Type Lamp (7V 100mA), STEREO indicator
126	0400310	Lead Type Lamp (7V 100mA), PHONO-2 indicator
127	0400330	Lead Type Lamp (7V 100mA), PHONO-1 indicator
128	0400300	Lead Type Lamp (7V 100mA), FM indicator
129	0400290	Lead Type Lamp (7V 100mA), AM indicator
130	0400320	Lead Type Lamp (7V 100mA), AUX-1 indicator
131	0400310	Lead Type Lamp (7V 100mA), AUX-2 indicator
132	0420040	Fuse Type Lamp (7V 300mA)
133	5066211	Indicator Box
134	5109122	Binding Head Tapping Screw, M3×8
135	5109122	Binding Head Tapping Screw, M3×8
136	5109122	Binding Head Tapping Screw, M3×8
137	5269240	Stopper, dial scale
138	5407510	Dial Scale
139	5109122	Binding Head Tapping Screw, M3×8
140	5109122	Binding Head Tapping Screw, M3×8
141	5269250	Holder, tuning & signal meter
142	7726050	Meter Lamp Unit
143	0420040	Fuse Type Lamp (7V 300mA)
144	4300610	Signal Meter
145	4300600	Tuning Meter
146	5109122	Binding Head Tapping Screw, M3×8
147	5109122	Binding Head Tapping Screw, M3×8
148	5109122	Binding Head Tapping Screw, M3×8
149	5269250	Holder, level meter
150	0420040	Fuse Type Lamp (7V 300mA)
151	7726050	Meter Lamp Unit
152	4300620	Level Meter
153	5101123	Binding Head Screw, M2, 6×6
154	6146651	Dial Pulley
155	5101161	Binding Head Screw, M4×6
156	5101161	Binding Head Screw, M4×6
157	5101161	Binding Head Screw, M4×6
158	5058100	Bottom Plate

6-15. Other Parts (Top Side)


PU701,PU702
12P Input Terminal
L702
F701
Remote Control
DIN Connector
5P ANT Terminal
Power Fuse
L703
C709
C706
C705
F-1483
C701,C702
R713,L701
R701~R704
PT001
C708
F-1479
Variable Capacitor
C707
F-1472
F-1487
F-1484
F-1470

Top Side Parts List

Parts No.	Stock No.	Description		
C701	0657473	0.047μF	50V	C.C.
C702	0657473	0.047μF		
C705	0559107	10000μF	35V	E.C.
C706	0559107	10000μF	35V	
C707	0559501	1000μF	63V	
C708	0559501	1000μF	63V	
C709	0605477	0.047μF	250V	M.C.
R701	0107104	100kΩ	±5% ¼W	C.R.
R702	0107184	180kΩ		
R703	0107184	180kΩ		
R704	0107104	100kΩ		
R713	0107221	220Ω		
L701	4290030	1μH Coil		
L702	4200550	Bar Antenna Coil		
L703	4290021	75Ω : 300Ω FM Balun		
F701	2300060	Fuse Holder		
	0431290, 2	6A Power Fuse (100V, 117V)		
	0431310	3.5A Power Fuse (220V, 240V)		

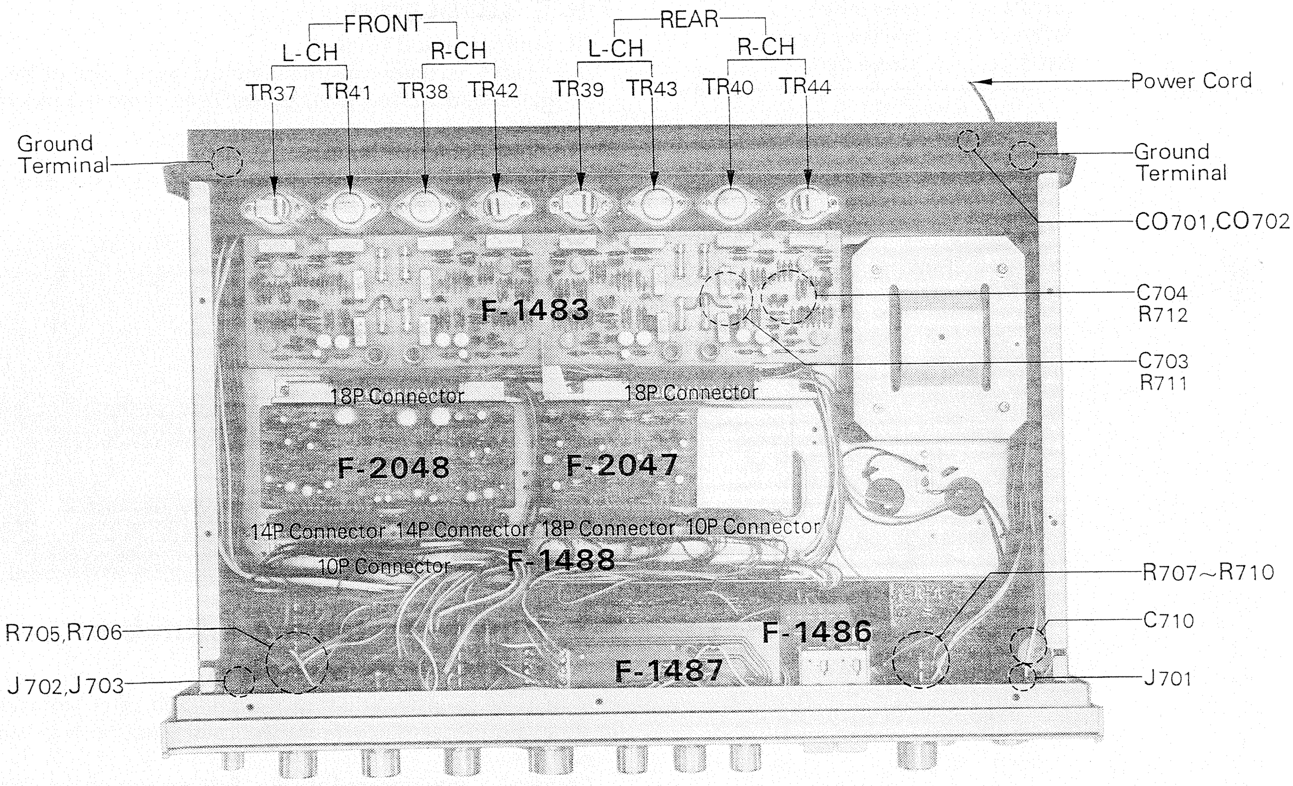
Parts No.	Stock No.	Description
PU701	2410090	Voltage Selector, plug
PU702	2410080	Voltage Selector, socket
PT001	4001360	Power Transformer
	2430040	DIN Connector
	2010020	9P Remote Control Socket
	2410540	9P Remote Control Dummy Plug
	2290110	5P Antenna Terminal
	2200360	12P Input Terminal

Abbreviations

C.R. : Carbon Resistor
S.R. : Solid Resistor
Ce.R. : Cement Resistor
M.R. : Metallized Film Resistor
M.C. : Mylar Capacitor
E.C. : Electrolytic Capacitor

BP.E.C.: Bi-Pola Electrolytic Capacitor
C.C. : Ceramic Capacitor
Mi.C. : Mica Capacitor
O.C. : Oil Capacitor
P.C. : Polystyrene Capacitor
T.C. : Tantalum Capacitor

6-16. Other Parts (Bottom Side)


FRONT
L-CH
R-CH
REAR
L-CH
R-CH
TR37
TR41
TR38
TR42
TR39
TR43
TR40
TR44
Power Cord
Ground Terminal
Ground Terminal
CO701,CO702
C704
R712
C703
R711
F-1483
18P Connector
18P Connector
F-2048
F-2047
14P Connector
14P Connector
18P Connector
10P Connector
10P Connector
F-1488
R707~R710
C710
J701
F-1486
F-1487
R705,R706
J702,J703

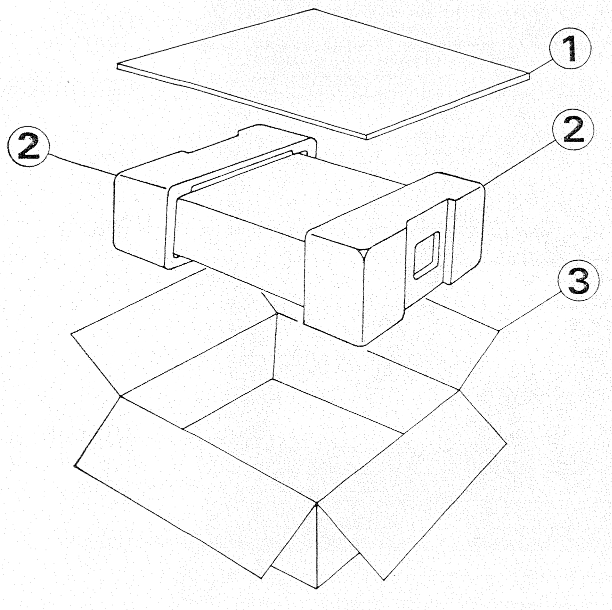
Bottom Side Parts List

Parts No.	Stock No.	Description		
TR37	0305631	2SC1030 (B)		Transistor
TR38	0305631	2SC1030 (B)		
TR39	0305631	2SC1030 (B)		
TR40	0305631	2SC1030 (B)		
TR41	0300551	2SA756 (B)		
TR42	0300551	2SA756 (B)		
TR43	0300551	2SA756 (B)		
TR44	0300551	2SA756 (B)		
C703	0659011	0.01 μF	500V	C.C.
C704	0659011	0.01 μF	500V	
C710	0659801	0.01 μF	1.4kV	
R705	0107473	47kΩ	± 5 % ¼W	C.R.
R706	0107473	47kΩ		
R707	0172331	330Ω	2W	M.R.
R708	0172331	330Ω		
R709	0172331	330Ω		
R710	0172331	330Ω		
R711	0172562	5.6kΩ		
R712	0172562	5.6kΩ		

Parts No.	Stock No.	Description
CO701,702	2450040	AC outlet
J701	2430170	Microphone Jack
J702	2430200	Headphone Jack
J703	2430200	Headphone Jack
	3800020	KP-200 Power Cord
	2420030	10P Connector
	2420150	14P Connector
	2420020	18P Connector
	2230050	Ground Terminal

7. PACKING LIST

Parts No.	Stock No.	Description
1	9017310	Inner Packing
2	9027750	Stylofoam Packing
3	9007511	Carton Case



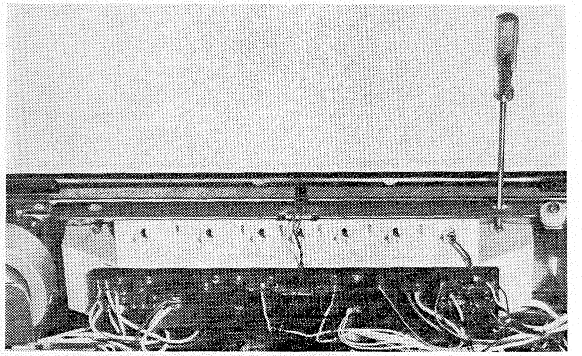
8. ACCESSORY PARTS LIST

Stock No.	Description
9406020	Polishing Cloth
0433680	3.5A Quick Acting Fuse
3820040	AM/FM Antenna
9207610	Operating instruction
9227610	Operating Instruction Sheet

9. REPLACEMENT OF MAIN PARTS

9-1. Dial Lamp

1) Remove wood bonnet.
2) Insert a screwdriver into hole on upper side of back panel and loosen two screws, then remove reflector box.
3) Remove defective lamp.
4) Replace the lamp with same type of 7V 300mA Fuse Type Lamp.

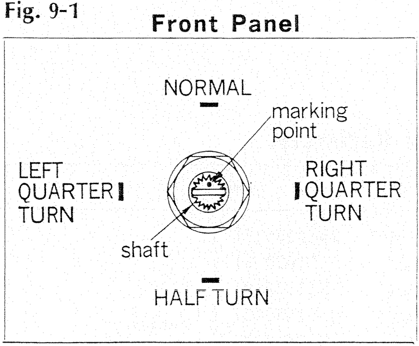


9-2. How to Install the Knob of DIRECTION Switch

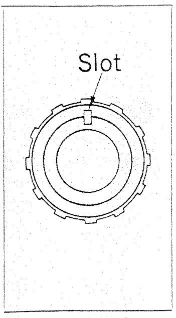
In case of re-installation of the knob after servicing on this unit, please perform the following method correctly.

1) Meet a marking point (Fig. 9-1) on top of the shaft and the knob's slot (Fig. 9-2).

Fig. 9-1

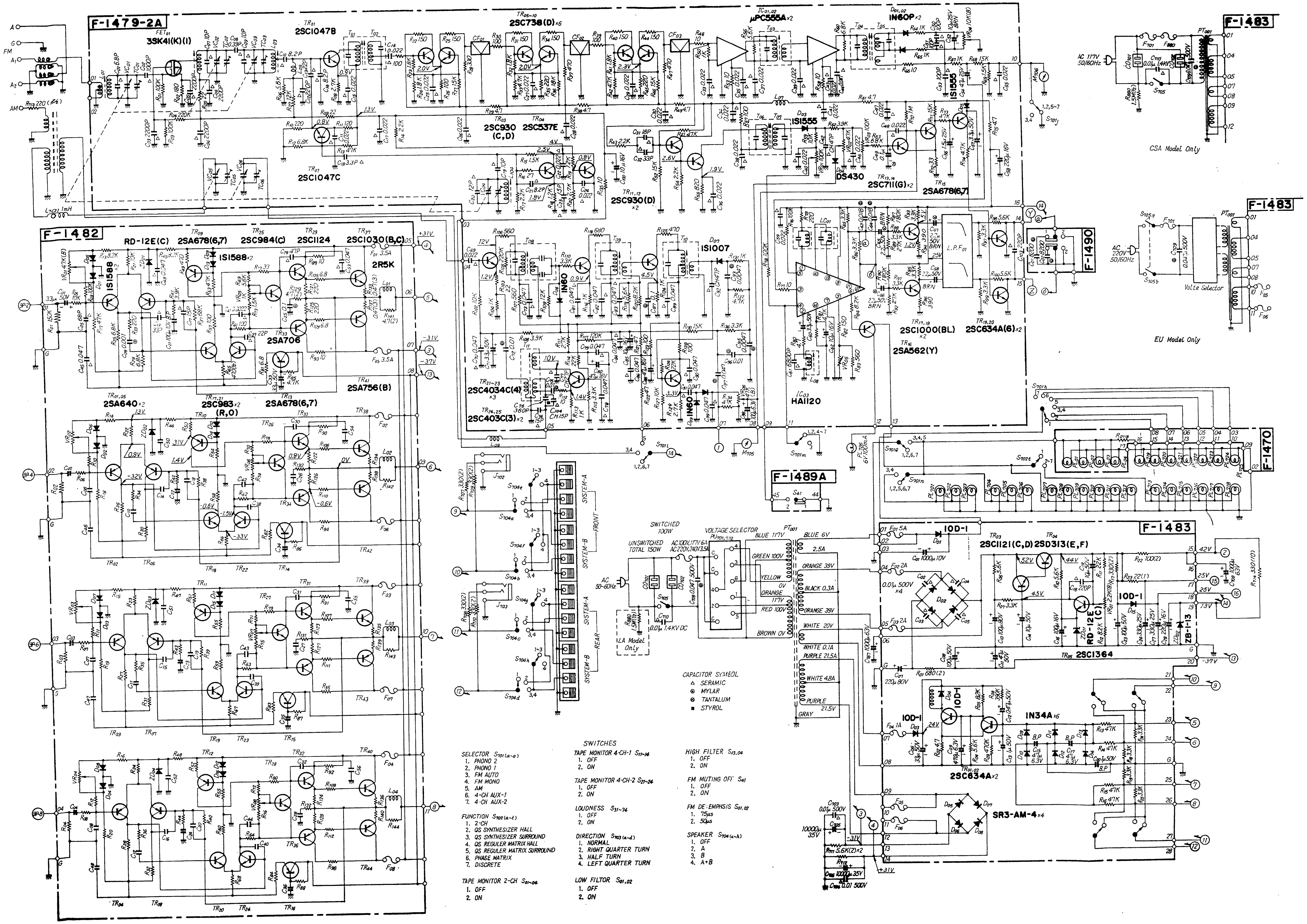

Front Panel
NORMAL
marking point
LEFT QUARTER TURN
RIGHT QUARTER TURN
shaft
HALF TURN

Fi.g 9-2



10. SCHEMATIC DIAGRAM OF TUNER SECTION

* Design and specifications subject to change without notice for improvements.


F-1479-2A
F-1482
F-1483
F-1490
F-1489A
F-1470
FET01 3SK41(K)(I)
TR01 2SC1047B
TR07 2SC1047C
TR05~10 2SC738(D)×6
TR03 2SC930 (C,D)
TR04 2SC537E
TR11,12 2SC930(D) ×2
IC01,02 μPC555A×2
D01,02 1N60P×2
IS1555
DS430
TR13,14 2SC711(G)×2
TR15 2SA678(6,7)
IS1007
1N60
TR21~23 2SC4034C(4) ×3
TR24,25 2SC403C(3)×2
IC03 HA1120
TR17,18 2SC1000(BL) ×2
TR19,20 2SC634A(6)×2
TR16 2SA562(Y)
L.P.F01
RD-12E(C)
2SA678(6,7)
2SC984(C)
2SC1124
2SC1030(B,C)
IS1588
2R5K
2SA706
2SA756(B)
TR01,05 2SA640×2
TR21,23 2SC983×2 (R,O)
TR13 2SA678(6,7)
TR03 2SC1121(C,D)
TR04 2SD313(E,F)
10D-1
RD-12E(C)
ZB-1-13
TR05 2SC1364
IN34A×6
TR01,02 2SC634A×2
SR3-AM-4×4
AC 117V 50/60Hz
CSA Model Only
AC 220V 50/60Hz
Volte Selector
EU Model Only
SWITCHED 130W
UNSWITCHED TOTAL 150W
VOLTAGE SELECTOR PU701,702
BLUE 117V
BLUE 6V
GREEN 100V
YELLOW 0V
ORANGE 117V
RED 100V
BROWN 0V
ORANGE 39V
BLACK 0.3A
WHITE 20V
WHITE 0.1A
PURPLE 21.5A
WHITE 48A
PURPLE 21.5V
GRAY
LA Model Only
SYSTEM-A
SYSTEM-B
FRONT
REAR
FM
AM
+31V
-31V
-37V

CAPACITOR SYMEOL
- △ SERAMIC
- ◎ MYLAR
- ⊗ TANTALUM
- ■ STYROL

SWITCHES

SELECTOR $S_{701(a\sim o)}$
1. PHONO 2
2. PHONO 1
3. FM AUTO
4. FM MONO
5. AM
6. 4-CH AUX-1
7. 4-CH AUX-2

FUNCTION $S_{702(a\sim t)}$
1. 2-CH
2. QS SYNTHESIZER HALL
3. QS SYNTHESIZER SURROUND
4. QS REGULER MATRIX HALL
5. QS REGULER MATRIX SURROUND
6. PHASE MATRIX
7. DISCRETE

TAPE MONITOR 2-CH $S_{01\sim 04}$
1. OFF
2. ON

TAPE MONITOR 4-CH-1 $S_{11\sim 14}$
1. OFF
2. ON

TAPE MONITOR 4-CH-2 $S_{21\sim 24}$
1. OFF
2. ON

LOUDNESS $S_{31\sim 34}$
1. OFF
2. ON

DIRECTION $S_{703(a\sim d)}$
1. NORMAL
2. RIGHT QUARTER TURN
3. HALF TURN
4. LEFT QUARTER TURN

LOW FILTOR $S_{01,02}$
1. OFF
2. ON

HIGH FILTER $S_{03,04}$
1. OFF
2. ON

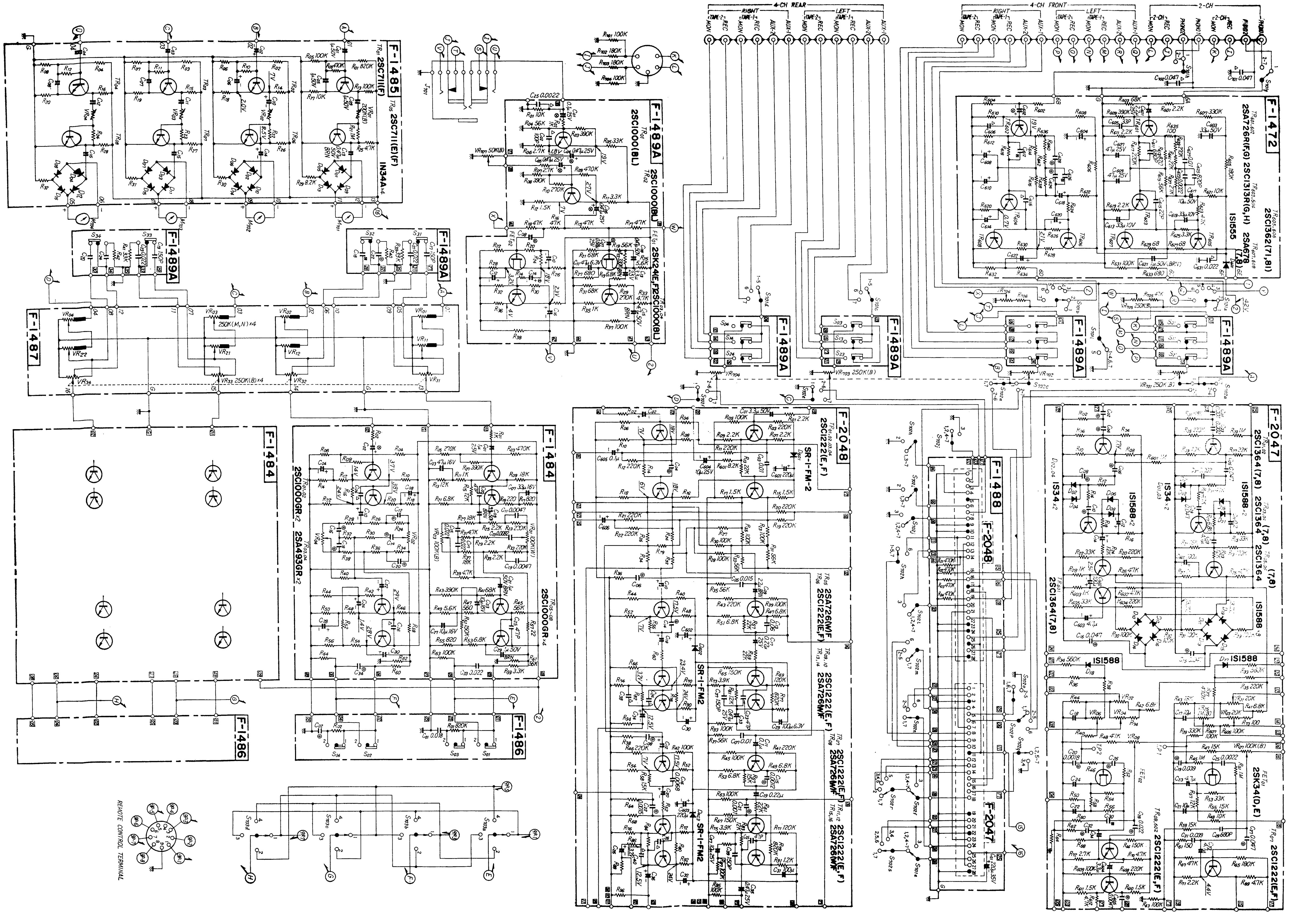
FM MUTING OFF S_{41}
1. OFF
2. ON

FM DE-EMPHSIS $S_{01,02}$
1. 75μs
2. 50μs

SPEAKER $S_{704(a\sim h)}$
1. OFF
2. A
3. B
4. A+B

11. SCHEMATIC DIAGRAM OF AUDIO SECTION

* Design and specifications subject to change without notice for improvements.


4-CH REAR
4-CH FRONT
2-CH
RIGHT
LEFT
TAPE-2
TAPE-1
MON
REC
AUX-1
AUX-2
PHONO
F-1485
2SC711(F)
2SC711(E)(F)
1N34A×4
F-1489A
F-1487
VR21
VR22
250K(M,N)×4
250K(B)×4
F-1484
2SC1000GR×2
2SA493GR×2
2SC1000GR×4
F-1486
2SC1000(BL)
2SK24(E,F)
F-2048
2SC1222(E,F)
SR-1-FM-2
2SA726(W)F
F-1488
F-2047
F-1472
2SA726R(F,G)
2SC1313(G,H)
2SC1362(7,8)
2SA678
1S1555
2SC1364(7,8)
2SC1364
1S34×2
1S1588
2SK34(D,E)
REMOTE CONTROL TERMINAL

12. MAINTENANCE

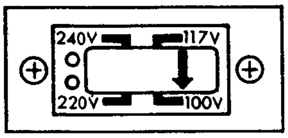
12-1. Voltage Adjustment

The Voltage Selector on the rear panel enables you to operate at correct voltage in any areas. The voltage has been preadjusted at the factory, but can be easily changed as follows, according to the line voltage using in your area.

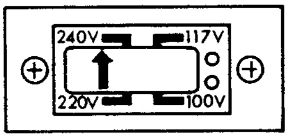
1) Remove the two screwse securing the name plate on the unit's rear panel, then remove the name plate.
2) Unplug the Voltage Selector plug once, and reset it so that the arrow mark on it faces the correct voltage indication. Also change the power fuse when the power supply voltage has change. For 100/117 volt operation, use a 6-ampere glass-tubed fuse. For 220/240 volt operation, use a 3.5-ampere one.

Note: The Voltage Selector can be used to eliminate the trouble caused by the considerable voltage fluctuation. In this case, it should be set to the peak voltage.

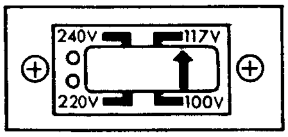
100V



240V



117V



220V